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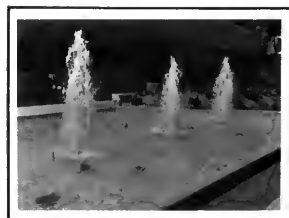
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Urban Water Use In California

Bulletin 166-3
October 1983



ON THE COVER: Water fountains grace this office building, an aesthetic use of urban water.

**Department of
Water Resources**

Bulletin 166-3

Urban Water Use In California

October 1983

Gordon K. Van Vleck
Secretary for Resources

**The Resources
Agency**

George Deukmejian
Governor

**State of
California**

David N. Kennedy
Director

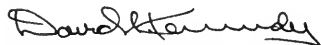
**Department of
Water Resources**

FOREWORD

This is the third report in the Bulletin 166 series, which periodically updates information on the rate of urban water use from sampled water suppliers throughout California. The first report in the series--Bulletin 166-1, Municipal and Industrial Water Use, published in August 1968--contains water delivery data and related per-capita water-use values for 1961 through 1965 for some 85 water suppliers. The second in the series--Bulletin 166-2, Urban Water Use in California, published in October 1975--contains data for 1961 through 1970 for 147 water suppliers serving more than 175 cities (including those shown in Bulletin 166-1).

This report--Bulletin 166-3, Urban Water Use in California--provides data covering 1970 through 1980 for those same cities (and a few additional cities). Along with the extensive data on per-capita water use provided by identified water suppliers, this report discusses the factors that influence per-capita rates, procedures used by the department in collecting and processing urban water-use data, and several studies of selected elements of urban water use.

After years of a generally upward trend, overall per-capita water use appears to have trended toward a leveling off during the past decade. Determination of a trend line is complicated, however, by the impact of the 1976-77 drought, during which most water agencies experienced reduced per-capita water use due to conservation efforts. Since then, water-use rates have nearly returned to predrought levels in many areas. Although additional years of data will be needed to verify the trends, most major water suppliers in California have active water conservation programs, which should tend to reduce future per-capita water-use rates.



David N. Kennedy, Director
Department of Water Resources
The Resources Agency
State of California

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STATE OF CALIFORNIA
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THE RESOURCES AGENCY
Gordon K. Van Vleck, Secretary of Resources

DEPARTMENT OF WATER RESOURCES
David N. Kennedy, Director

Alex R. Cunningham
Deputy Director

Howard H. Eastin
Acting Deputy Director

Arthur C. Gooch
Acting Deputy Director

DIVISION OF PLANNING

Donald E. Owen Chief

This bulletin was prepared under the direction of

Glenn B. Sawyer Chief, Land and Water Use Program

by

Richard J. Wagner Coordinator, Water Use Program
Earl G. Bingham Research Writer

Assisted by

John R. Glavinovich Associate Land & Water Use Analyst
Gayle Dowd Senior Delineator
Paulyne Joe Senior Delineator
Clara Silva Word Processing Technician

NORTHERN DISTRICT

Robert R. McGill, Jr. Senior Land & Water Use Analyst
Gene Pixley Associate Land & Water Use Analyst

CENTRAL DISTRICT

George K. Sato Senior Land & Water Use Analyst
Richard A. Cocke Associate Land & Water Use Analyst

SAN JOAQUIN DISTRICT

Fred E. Stumpf Senior Land & Water Use Analyst
James H. Williams Associate Land & Water Use Analyst

SOUTHERN DISTRICT

John Tenero Senior Land & Water Use Analyst
David A. Inouye Associate Land & Water Use Analyst

State of California
Department of Water Resources
CALIFORNIA WATER COMMISSION

Roy E. Dodson, Chairperson, San Diego
Daniel M. Dooley, Vice Chairperson, Visalia

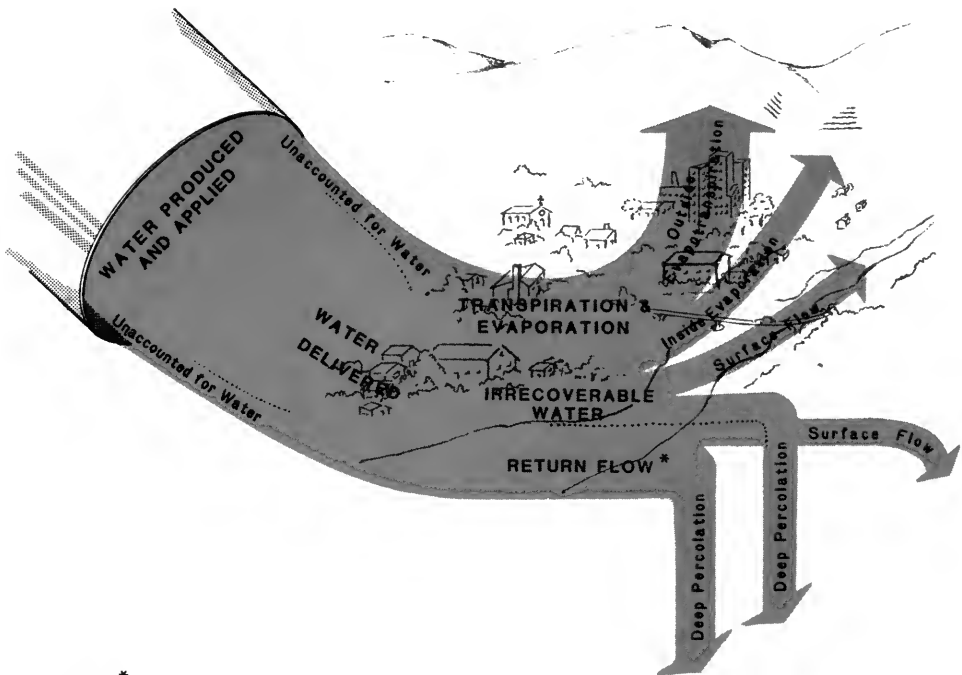
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Merrill R. Goodall Claremont
Charlene H. Orszag Sherman Oaks
Alexandra C. Stillman Arcata

Orville L. Abbott
Executive Officer and Chief Engineer

Tom Y. Fujimoto
Assistant Executive Officer

The California Water Commission serves as a policy advisory body to the Director of Water Resources on all California water resources matters. The nine-member citizen commission provides a water resources forum for the people of the State, acts as liaison between the legislative and executive branches of State Government, and coordinates Federal, State, and local water resources efforts.

COMPONENTS OF URBAN WATER USE



Note: * Available for reuse

CHAPTER I INTRODUCTION

Bulletin 166-3 presents per-capita rates of urban water use in California. The report provides basic planning data needed for many studies conducted by the Department of Water Resources and by planners in other agencies, and is intended for the public as well. This bulletin is the third in a series of reports containing urban water-use data obtained from a sampling of communities and individuals throughout the State. Bulletin 166-1, Municipal and Industrial Water Use, the first of the series, published in 1968, contains data covering 1961 through 1965. Bulletin 166-2, Urban Water Use In California (October 1975), covers 1961 through 1970. Bulletin 166-3 provides data for 1970 through 1980 and, in a few special cases, for 1981.

Purpose of the Urban Water Use Data Collection Program

Except in a few areas, there is no legal requirement in California that water withdrawals for specific uses be measured, as there is in many other states. However, data on water application and uses for specific purposes are needed for many Department programs, including studies:

1. to determine the location, nature, and amount of current water use;
2. to facilitate estimates of future water use;
3. to identify impending water supply shortages;
4. to determine the availability of water for local use, export to other areas, or both;
5. to determine opportunities for water supply savings through water conservation measures;
6. to determine ground water extraction rates;
7. to identify the location, nature, and extent of water quality deterioration due to water use;
8. to evaluate water rights;
9. to determine opportunities for use of reclaimed water; and
10. to evaluate the impact of proposed water management actions and facilities on specific areas.

Sources of Urban Water Use Data

Urban water use includes all classes of water use other than crop irrigation and instream recreation. Figure 1 shows a once-through disposition of water applied in a typical urban area. Of the total water produced and entered into the system of a water supplier, a certain amount is lost before delivery to users. This "unaccounted-for water" includes real distribution system losses (such as spills, leakage, and evaporation) and other apparent losses, which are generally due to faulty recordation, i.e., failure to record back-flushing of water mains or hydrant topping for construction, or as a result of defective water meters.

There are two general categories of water supply: (1) that provided by water suppliers (public water agencies and private entities who deliver water to other users), of which several types exist, and (2) that developed by individuals for their own use by pumping ground water or diverting from surface sources. These self-suppliers are usually, but not always, manufacturing plants with large demands for cooling and process water.

Figure 2

**WATER SUPPLIERS
PROVIDING WATER
USE DATA**

A map of California divided into counties, with dots representing water suppliers. The dots are numbered from 1 to 112. Two areas are highlighted with hatched patterns: one around San Francisco Bay labeled "San Francisco Bay Water Suppliers" and another around Los Angeles labeled "Los Angeles Water Suppliers". County names are printed across the map, such as Siskiyou, Modoc, Trinity, Shasta, Lassen, Tehama, Plumas, Butte, Yuba, Nevada, Sierra, Colusa, Glenn, El Dorado, Sacramento, Yolo, Solano, Marin, Contra Costa, Alameda, Santa Clara, San Jose, Stanislaus, Mariposa, Fresno, Kings, Kern, Santa Barbara, Ventura, Santa Cruz, Monterey, San Luis Obispo, San Diego, Imperial, Riverside, Orange, and Los Angeles.

San Francisco Bay Water Suppliers

Los Angeles Water Suppliers

NOTE: See adjoining page for Index to Water Suppliers

2

WATER SUPPLIERS

(located by number on map)

- | | | |
|---|---|--|
| <ol style="list-style-type: none"> 1. Crescent City MWD ^{1/} 2. Yreka MWD 3. Montague MWD 4. Alturas MWD 5. Mount Shasta MWD 6. McKinleyville CSD ^{2/} 7. Arcata MWD 8. Blue Lake MWD 9. Humboldt CSD 10. Eureka MWD 11. Fortuna MWD 12. Redding MWD 13. Anderson MWD 14. Susanville CPN ^{3/} 15. Red Bluff MWD 16. Corning MWD 17. Hamilton City CWSC ^{4/} 18. Chico CWSC 19. Paradise ID 20. Portola MWD 21. Willows CWSC 22. Gridley MWD 23. Colusa MWD 24. Ukiah MWD 25. Lakeport MWD 26. Marysville CWSC 27. Healdsburg MWD 28. Woodland MWD 29. Roseville MWD 30. Placerville MWD 31. Sebastopol MWD 32. Santa Rosa MWD 33. Rohnert Park MWD 34. Petaluma MWD 35. Davis MWD 36. Sacramento MWD 37. Del Paso Manor CWD ^{5/} 38. Arvin CSD | <ol style="list-style-type: none"> 39. Arcade CWD 40. Citizens Utilities Company of California 41. Dixon CWSC 42. Vacaville MWD 43. Rio Vista MWD 44. Pittsburg MWD 45. Antioch MWD 46. Brentwood MWD 47. Stockton CWSC 48. Sonora MWD 49. Manteca MWD 50. Modesto MWD & CWC ^{6/} 51. Newman MWD 52. Gustine MWD 53. Merced MWD 54. Bishop MWD 55. Morgan Hill MWD 56. Santa Cruz MWD 57. Gilroy MWD 58. Los Banos MWD 59. Dos Palos MWD 60. Madera MWD 61. Watsonville MWD 62. Hollister MWD 63. Salinas CWSC 64. Monterey Bay Cities (CAWC) ^{7/} 65. Clovis MWD 66. Fresno MWD 67. Sanger MWD 68. Selma CWSC 69. King City CWSC 70. Coalinga MWD 71. Huron MWD 72. Hanford MWD 73. Visalia CWSC 74. Tulare MWD 75. Lindsay MWD | <ol style="list-style-type: none"> 76. Porterville MWD 77. Delano MWD 78. Paso Robles MWD 79. Atascadero MWC 80. Shafter MWD 81. Ridgecrest CWC 82. San Luis Obispo MWD 83. Bakersfield CWSC 84. Arroyo Grande MWD 85. Tehachapi MWD 86. Mohave PUD ^{8/} 87. Santa Maria MWD 88. Barstow SCWC 89. Lompoc MWD 90. Palmdale CWD 91. Victorville CWD 92. Goleta CWD 93. Santa Barbara MWD 94. Montecito CWD 95. Carpinteria CWD 96. Ojai SCWC 97. Fillmore MWD 98. Santa Paula WW ^{9/} 99. San Buenaventura MWD 100. Oxnard MWD 101. Port Hueneme MWD 102. Banning MWD 103. Palm Springs (Desert Water Agency) CWC 104. Hemet MWD 105. Indio MWD 106. Coachella MWD 107. Blythe MWD 108. Oceanside MWD 109. Escondido MWD 110. San Diego MWD 111. South Bay Area CAWC 112. El Centro MWD |
|---|---|--|

LOS ANGELES AREA WATER SUPPLIERS

(not located by number)

- | | | |
|---|--|---|
| <p>Alhambra MWD
 Anaheim MWD
 Arcadia MWD
 Beverly Hills MWD
 Buena Park MWD
 Burbank MWD
 Claremont SCWC
 Corona MWD
 Downey MWD
 East Los Angeles CWSC
 Fullerton MWD
 Garden Grove MWD</p> | <p>Glendale MWD
 Glendora MWD
 Hermosa-Redondo Beach CWC
 Huntington Beach MWD
 Huntington Park MWD
 Inglewood MWD
 Lakewood MWD
 Long Beach MWD
 Los Angeles MWD
 Manhattan Beach MWD
 Monterey Park MWD
 Ontario MWD</p> | <p>Orange MWD
 Pasadena MWD
 Pomona MWD
 Redlands MWD
 Rialto MWD
 Riverside MWD
 San Bernardino MWD
 Santa Ana MWD
 Santa Monica MWD
 South Gate MWD
 Torrance MWD
 Upland MWD</p> |
|---|--|---|

- 1/ Municipal Water Department/District
 2/ Community Services District
 3/ California Pacific National
 4/ California Water Service Company
 5/ County Water District

- 6/ Commercial Water Company
 7/ California-American Water Company
 8/ Public Utility District
 9/ Water Works

(continued on next page)

SAN FRANCISCO BAY AREA WATER SUPPLIERS

(not located by number)

Alameda County Water District
(Fremont and Union City)

Belmont County Water District
(Belmont)

Benicia MWD

California Water Service Company
(Atherton, Woodside, Menlo Park)

California Water Service Company
(Livermore)

California Water Service Company
(San Carlos)

California Water Service Company
(Los Altos-Suburban)

California Water Service Company
(San Mateo)

California Water Service Company
South San Francisco, Broadmoor,
and Colma)

Calistoga MWD

Coastside Water District
(Half Moon Bay, Miramar, Princeton,
El Granada)

Community Services District
(Dublin, San Ramon)

Contra Costa Water District
(Concord, Pleasant Hill, Clayton,
and others)

Daly City, MWD

East Bay Municipal Utility District
(Oakland, Berkeley, Alameda, Richmond,
Rodeo, Walnut Creek, Lafayette, and
Others)

Fairfield MWD

Hayward MWD

Hillsborough MWD

Marin Municipal Water District
(Sausalito, Mill Valley, San Rafael,
San Anselmo, Belvedere, and others)

Milpitas MWD

Mountain View MWD

Napa MWD

North Coast County Water District
(Pacifica and others)

North Marin County Water District
(Novato and Ignacio)

Palo Alto MWD

Pleasanton MWD

Redwood City MWD

San Bruno MWD

San Francisco MWD

San Jose Water Works (San Jose)

Santa Clara MWD

Sonoma MWD

Sunnyvale MWD

Water Suppliers

The Department periodically updates water-production and related data from selected water suppliers in all parts of the State (currently 181 suppliers). In gathering these data, the Department pays particular attention to including as many of the large purveyors as possible.

The procedure is not a strict statistical sampling, because water suppliers are not randomly selected. In random sampling, all suppliers in a particular area would have an equal chance of being included in the survey and must be able to respond with reliable data. However, this is seldom the case because of the wide variations in record keeping by the water suppliers; and only those suppliers with readily available, reliable data are included in the sample. The Department must locate individual sources of data and obtain and verify their records. Then those water-production records, and related data on the number of connections and population served, are used to compute the per-capita use of water provided by the sampled water suppliers.

Self-Supplied Water

By far the most important of those individual entities that produce their own water supplies are manufacturing industries and rural residents. The Department periodically surveys manufacturing industries to determine quantities of self-supplied water. Most smaller manufacturing plants located within urban areas obtain water from local public water suppliers; large plants, however, especially those located outside urban areas, tend to use ground water or directly divert water from local streams as a less-costly alternative to purchasing water.

No extensive study has been made of the rate of water use by rural residents, because it is assumed to represent only a small part of rural area water use in

most cases (i.e., compared to irrigated agriculture). For the Department's planning purposes, per-capita use rates for the rural population are simply estimated, considering rates in neighboring communities.

Scope of Bulletin 166-3

Generally, the data in this report cover 1970 through 1980, and in many cases reflect some degree of water conservation resulting from programs sponsored by the State and local governments. Although most of the data extend through 1980 only, some 1981 data were also available and are included to help determine the extent of change in rate of use since the 1976-77 drought.

Topics discussed include:

1. types of urban water use, including residential, commercial, industrial, and governmental; and the factors that affect per-capita water use, including temperature and precipitation, water costs and water metering, housing density, number of persons per household, water conservation programs, and urban development (Chapter II);
2. the Department's data collection and analysis procedures (Chapter III);
3. summaries of water use data (Chapter IV).

The data shown in Tables 1 through 12 were compiled in the Department's four district offices located in Red Bluff, Sacramento, Fresno, and Los Angeles. Questions about these data or inquiries about the method of compilation should be directed to the appropriate district office. (See Appendix D for addresses and telephone numbers.)

Table 3, which comprises the principal basic data in this bulletin, provides information on monthly and annual per-capita water use calculated from the records of 181 sampled water systems throughout California (Figure 2). The



Irrigated parks have high water requirements

estimated self-supplied water by manufacturing industries, expressed in per-capita use terms by county, is presented in Table 6.

Other tables provide information resulting from special studies of industrial water conservation, water use in multiple-unit residences, water use in office buildings, recreational water use in campgrounds, and other related topics. For the reader's convenience, all of the tables are presented in Chapter IV, where the data in each table is briefly discussed.

Definitions of Two Key Terms

The definitions of two key terms used repeatedly in this bulletin are presented here because of their importance to the readers' understanding of the data included in the report. These are per-capita water use and urban applied water.

- ° Per-Capita Water Use (may be expressed in other literature as "gross per-capita water use," "per-capita applied water," "per-capita use rate or value," and "per-capita use of water"). Unless otherwise stated, the term as used in this report means the sum of all urban applied water (regardless of

purpose) within a given area, divided by the total resident population of that area (see urban applied water for a description of point of measurement of "applied" water).

- ° Urban Applied Water (also called "urban water use," or "municipal and industrial water use"). As used in this report, the term means water applied for all urban purposes, primarily for residential, commercial, industrial, and governmental uses. The term relates to a kind of use rather than a place of use; i.e., although most of the urban-type water use occurs within a city or town, it also takes place outside of recognized city boundaries, e.g., at rural residences, industrial facilities, and governmental facilities.

It is the quantity measured at the intake of the water supplier's system (and therefore is equivalent to the amount of water actually delivered to customers plus losses from the delivery system) and, when the water is self-supplied, at the well or point of stream diversion.

Other water use-related terms are presented in the Glossary (Appendix B).

<u>Hydrologic Study Area (HSA)</u>	<u>1980 Average Urban Per-Capita Water Use (gallons per capita per day)</u>
North Coast (NC)	300
San Francisco Bay (SF)	180
Central Coast (CC)	210
Los Angeles (LA)	185
Santa Ana (SA)	220
San Diego (SD)	170
Sacramento (SB)	305
San Joaquin (SJ)	355
Tulare Lake (TL)	320
North Lahontan (NL)	335
South Lahontan (SL)	280
Colorado River (CR)	330
STATE	215

The preceding compilation of 1980 average per-capita water use values for each of California's twelve Hydrologic Study Areas (see Figure 3) was based on analyses conducted during preparation of DWR Bulletin 160-83, The California Water Plan--Projections of Water Use and Water Supplies. These per-capita water-use values result from dividing the total urban applied water use calculated for each HSA by the respective HSA population. The HSA urban applied water use was calculated as follows:

- ° for each detailed analysis unit (DAU, i.e., HSA subdivision), appropriate per-capita water-use values were selected from the sampled water suppliers' data presented in Table 3 of this report (Bulletin 166-3), considering the water use-related characteristics of the communities within the DAU;

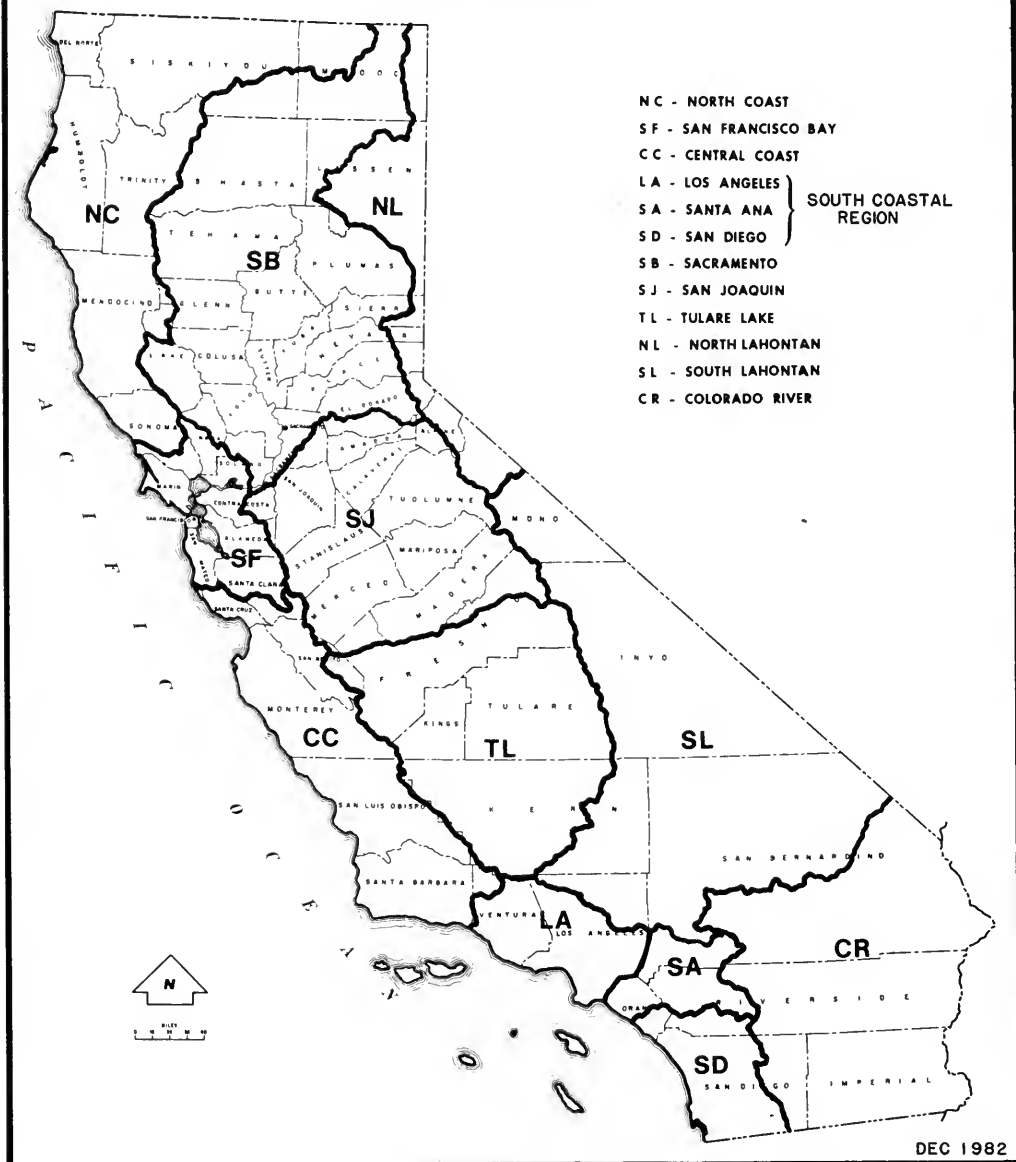
- ° from this information, the average per-capita use of water provided by all water suppliers was estimated for each DAU, weighting the selected sample data according to the population of the various communities in the DAU;

- ° next, an appropriate value for per-capita use of self-supplied water was selected for each DAU--based upon information presented in DWR Bulletin 124-3, Water Use by Manufacturing Industries in California, 1979--and added to the respective DAU value for per-capita use of water provided by water suppliers;

- ° then the urban applied water use for each DAU was calculated, based on the resulting DAU total per-capita water use value and the DAU total population; and,

- ° finally, the calculated urban applied water use for all DAUs within an HSA were summed to provide total HSA urban applied water use.

Figure 3
HYDROLOGIC STUDY AREAS
OF
CALIFORNIA



DEC 1982

CHAPTER II

FACTORS INFLUENCING PER CAPITA WATER USE

The average per-capita water use for an area and the changes that occur over time are a function of (1) the proportions of total water use devoted to residential, commercial, industrial, or governmental purposes, and (2) climate (weather), amount of landscape vegetation, the number of persons per household, types of industrial development, and many other factors. Some of the principal factors affecting each of the four major categories of urban water use are discussed in the following sections.

Residential Water Use

Statewide, residential water use comprises about 61 percent of total urban use, exceeding all other urban uses combined. Residential use includes use in single-family homes and multiple-unit residential structures, and consists of both interior and exterior uses. On a statewide average basis, approximately the same quantities of water are applied inside and outside of dwellings. Much of the landscape-irrigation water (usually more than half) evaporates or is transpired by trees and plants. Conversely, only about 2 percent of the water used inside evaporates; the remainder is discharged to sewer systems and is usually available for reuse, unless it is discharged to the ocean or otherwise becomes unavailable for reuse.

Climate

The climate of a particular area profoundly affects the water requirements of lawns and ornamentals, and therefore, the per-capita water use in one area compared to another. Further, differences in weather account for most of the changes (sometimes quite large) in per-capita use from one year to the next.

Several different climatological factors are responsible, and each has a specific influence on evapotranspiration (ET) of applied water. The most pronounced of these climatological factors is temperature.

Another climatological factor strongly affecting per-capita water use is precipitation. In California, late spring and/or early fall rains occasionally occur, and this can shorten the period of a year during which landscape vegetation must be irrigated, thus reducing total exterior water use and, consequently, per-capita use. Conversely, a shorter than normal fall-to-spring rainfall period can significantly increase per-capita water use for that year. In Southern California, it is not uncommon to have fairly long rainfree periods during the winter, at which time landscape vegetation must be irrigated.

High humidity suppresses vegetative water requirements; however, the amounts involved are not precisely known. In the San Francisco Bay area, near the Bay and the ocean, the humidity remains relatively high, and with moderate temperatures, vegetative water use is considerably lower than in the interior portions of California.

Wind (or any air movement) has been shown to accelerate transpiration from plants and evaporation from wetted surfaces. Daily evapotranspiration (ET) measurements made at the University of California at Davis show that ET increases significantly during windy days. Air movement removes saturated air from contact with the plant or soil surface and replaces it with drier and warmer air from adjacent areas.

The strong correlation between climate

and landscape water use is reflected in corresponding monthly changes in per-capita use. During the wettest months, December and January, nearly all water delivered to residences is used for household and personal needs. Therefore, delivery data for these months can be used to indicate the approximate monthly interior water use. Then, if it is assumed that interior use is essentially uniform over the year, subtracting this amount from the total deliveries each month provides an estimate of the water used for landscape irrigation and for other exterior applications.

Landscape Irrigation

In California, lawn turf and other areas of vegetation consume water through evapotranspiration at rates varying from about 1 to 5 acre-feet per acre, during any one year, depending upon climate.

Because residential landscape irrigation significantly affects per-capita water use, the location of an urban community -- with respect to temperature and seasonal precipitation -- is an important determinant of per capita water use. Irrigation for landscaping is naturally much greater in inland communities than in coastal communities, where temperatures are moderated by the nearby ocean and bays. The major California metropolitan areas are the San Francisco Bay area and the Los Angeles-Orange County portion of the South Coastal area, both of which stretch for many miles along the coast. However, in both cases, most of the land near the ocean has already been developed. Therefore, as time has passed, an ever larger amount of the inland portions has been developed, with the result that weighted average per-capita water use for each of the metropolitan areas as a whole has tended to increase.

Housing Density

The proportion of an area that is landscaped is a function of housing density.

From the postwar late 1940's through the early 1970's, per-capita water-use rates increased significantly. A major reason for this was the development of new residential areas consisting primarily of single-family homes with large lawns and gardens (suburban type of development). This type of development began to wane in the late 1960s, as construction of apartments and condominiums increased. In the mid-1950s, some 90 percent of new housing starts consisted of single-family homes. By the late 1960s and early 1970s, however, that figure had decreased to just below 50 percent. An increased proportion of apartment dwellers tends to reduce an area's average per-capita use due to lower use of water for landscaping on a per-capita basis. The 1980 Census of Housing indicates that since the early 1970s, the ratio of new single-family housing to multiple family units has fluctuated around the 50-50 level.

Persons Per Household

Fewer persons are now occupying individual households, and this trend is expected to continue. In the 1970's, the average number of persons per household in Sacramento County, for example, was 2.9. In 1980, the average had dropped to 2.65.



One of the largest urban water uses is for landscape irrigation



Lawns in California's Central Valley use between 4 and 5 acre-feet per acre of applied water

In keeping with this trend is a steady rise in households occupied by single adults. Nationwide, in 1970, one of every six households was occupied by a single person. In 1980, that number had dropped to one in five.

This reduction in persons per household tends to cause an increase in average per-capita use because a number of household water uses, e.g., landscape irrigation, are relatively independent of the number of residents.

Water-Using Appliances

Increased use of water-using appliances --automatic clothes washer, dishwashers, and garbage-disposal units--has increased per-capita use rates. Their role in causing water-use rates to increase was particularly noticeable during the 1950's and early 1960's. Today, however, the rise in use of such appliances on a per-capita basis has begun to level off. Generally speaking, they have become commonplace. Thus, this factor is no longer causing significant increases as it was during the 1950's and early 1960's.

Water Metering

The use of water meters prominently

affects residential water use rates. The conversion from a flat-rate system to a metered system encourages most users to reduce water use rates by up to 50 percent when meters are first installed, although that amount of reduction is not usually permanent.

At present, an estimated 90 percent of the water deliveries in California are on a metered basis. The San Francisco Bay, Los Angeles metropolitan, and San Diego metropolitan areas are totally metered, whereas a number of Central Valley and upland communities deliver water on a flat-rate basis; in some areas there are both flat-rate and metered deliveries (in nearly all cases, commercial and industrial water deliveries are metered).

Water Prices

The escalation of material and labor costs, extension of water service to remote areas, and the development of remote sources of water supply all contribute to rising costs of water. Present indications are that the cost of water service will continue to increase. As water costs rise, users tend to use water more carefully; usage records indicate that per-capita use tends to decrease as water costs increases.

When sewer service charges are included in the water bill, and particularly when the sewer charges are based on quantities of water used, per-capita water use tends to decrease.

Water Conservation

By implementing water conservation programs, urban communities are becoming capable of applying less water than was formerly required to fulfill the same water-related purposes. For example, the installation of water-conserving plumbing fixtures and appliances, reduced "overwatering" of residential landscapes, the planting of lower-water-use plants and trees, and the repair of



Car washes, laundromats, and restaurants are among a small group of high water-using commercial enterprises

household leaks and leaky water mains all tend to decrease per capita water use. The impact of specific conservation measures on the need for water supply varies, depending on the amount of reuse that is made of excess applied water. Where reuse is large, conservation measures may have little impact on the quantity of basic water supply needed. Conversely, when there is little reuse and a significant quantity of the excess applied water escapes to the ocean or some other unusable source, conservation measures may result in significantly large, real water supply savings.

Commercial Water Use

The broad term "commercial water use" generally comprises water use in office buildings, restaurants, filling stations, and other business establishments; private golf courses and other private recreational facilities; but excludes residential, industrial, and governmental uses. The Standard Industrial Classification Manual^{1/} contains seven "divisions" of commercial categories:

<u>Division</u>	<u>General Description</u>
C	Construction - codes 15 through 17
E	Transportation, Communication, Electric, Gas and Sanitary Services - codes 40 through 49
F	Wholesale trade - codes 50 and 51
G	Retail Trade - codes 52 through 59
H	Finance, Insurance, and Real Estate - codes 60 through 67
I	Services - codes 70 through 89
K	Nonclassifiable Establishments - code 99

1/ See Appendix C.

A number of activities may appear in both the commercial and the governmental categories, depending on whether they are operated by private or public entities, e.g., hospitals, schools, recreational camps, parks, golf courses, cemeteries, and other enterprises.

Included in the commercial category are some establishments with high water requirements, e.g., laundromats and car washes, and some with low water requirements, e.g., warehouses and office buildings.

Just as residential water use is heavily influenced by the extent of landscape watering, commercial water use, which accounts for about 16 percent of total urban water demands, is greatly influenced by the state of the economy. That is, as the general prosperity level rises, the level of commercial water use increases. Conversely, when there are vacant offices, bankrupt businesses, and fewer demands for services, the commercial demand for water diminishes.

Industrial Water Use

Manufacturing accounts for all but a small portion of industrial use of fresh water in California, although power plant cooling and mining uses are significant in some places. In this bulletin, manufacturing water use means water use by the kinds of manufacturing industries included in Standard Industrial Classification (SIC) codes 20 through 39 (see Appendix C for a listing of these industries). This group includes a number of very high water-using establishments, although some manufacturing plants use no more water than do office buildings. Manufacturing water use, which amounts to the same as commercial water use (16 percent of the total state urban use), is only partially supplied by public water suppliers (from whom the Department normally acquires water use data). A significant portion of their needs comes from self-supplied water.

In 1980, as in 1971 and 1960, the



The food industry has the highest overall water demand. This photo shows water vapor emerging from dehydration of sugar beet pulp



This petroleum manufacturing plant in the San Francisco Bay Area is one of the high industrial water users



Lumber mills use large quantities of water to sprinkle log decks, which is necessary to preserve wood quality



Governmental water uses includes deliveries to civic office buildings

Department conducted a survey of water use by the manufacturing industry to obtain estimates of how much water was self-supplied.^{2/}

The survey indicated that water recycling has increased greatly, particularly since the Federal Clean Water Act of 1972 (Public Law 92-500) was enacted by Congress to improve the "... chemical and biological condition of the nation's waters." The Act specifically provides that the cost of treating industrial wastes will be assessed to the dischargers. That section of the Act thus provides a powerful incentive for the recycling and reuse of formerly discharged manufacturing waste water. In effect, the new law has both reduced the volume of waste discharges and increased recycling rates throughout the manufacturing industry.

Most mining operations are located in remote areas where it is necessary to self-produce supplies. These operations are diverse, and records of the amount of water used are either non-existent or very difficult to acquire. Efforts to estimate the quantities used are made only in those few cases where they appear to be significant.

Most nuclear and fossil-fuel electric power generating plants require relatively large amounts of water for cooling; however, few plants use fresh

water only. Statewide total fresh water use for cooling is relatively small. However, the total quantity varies from year to year due to fluctuations in total hydroelectric power production, the total electricity requirement (which is influenced in part by temperature variations and related air-conditioning requirements), and other factors.

Governmental Water Use

This category includes all types of water uses at public facilities such as schools, government buildings, and military installations; and landscaped public areas, including parks, golf courses, and cemeteries. The SIC lists many government activities in Division I, "Services," which include public golf courses, public health facilities, and social services; and all of Division J, "Public Administration," which covers legislative, judicial, administrative, and regulatory activities of federal, state, local, and international governments.

Governmental water uses vary widely but account for only about 7 percent of the total urban water use in California, the smallest of the four major classes of urban water use. Most uses in this category remain stable from month to month and from year to year, except for landscape irrigation, which varies according to weather conditions.

^{2/} The results of the survey are presented in DWR Bulletin 124-3, Water Use by Manufacturing Industries in California, 1979, May 1982.

CHAPTER III DATA COLLECTION AND ANALYSIS

To obtain a value for the average per-capita water use in a given area, per-capita use values derived from sampled water suppliers' data for communities representative of the nature of the urban communities that make up the area are selected and weighted according to the population of the various communities; then, the estimated self-produced water in the area, expressed on a per-capita basis, is added. This chapter describes the procedures used by the department to collect and process the data required and some related studies.

Four activities are described: determination of per-capita use of water produced by sampled water suppliers; derivation of estimates of total self-supplied water, expressed on a per-capita basis; a study of multiple-unit residential water use; and a study of commercial water use.

Per-Capita Use of Water Produced by Water Suppliers

California does not require water suppliers to report water production and related data to a central State agency. Therefore, the Department must locate individual sources of data and gather and verify that data. In monitoring 181 water systems, the Department obtains some of the data directly from the various water suppliers, and some is available from other State agencies. This data includes information on the amount of water delivered into the water-supplier's system, the number of active service connections, and, in some cases, estimates of the population served.

The water suppliers in the Department's sample group comprise several types with varying organizational structures. There are two basic types: those

privately owned and those publicly owned. The first category includes commercial companies and mutual water groups and associations. The second category comprises water districts and municipal water departments, which differ from one another in method of formation, organizational structure, and service area.

Commercial water companies are privately owned and operated. Most fall under the jurisdiction of the State Public Utilities Commission (PUC), whose main interest is the fiscal conduct of these agencies. The PUC regulates water prices to retail customers of such agencies, who are required to submit fiscal and other data, including quantities of water produced and delivered to metered customers. The PUC makes this data available to the Department annually. The Department also receives considerable data directly from a number of commercial water suppliers.

Mutual water groups and associations are also privately owned but are operated by member users without profit. These agencies are small but make up the largest group of water agencies in the State. They are required to submit fiscal data to the Franchise Tax Board only if incorporated. Since they do not report to the PUC, very little production or user data pertaining to these agencies is readily available.

Municipal water departments are city-owned and operated as utilities that provide water service to city residents and sometimes to unincorporated areas in the immediate vicinity. These systems are commonly operated as self-supporting city departments; they receive revenue from retail sales of water and are subject to regulation by the city itself. This is one of the major classes of publicly owned water service agencies in

the State.

Public water districts are an elemental form of local government. Early in the State's history the need for public entities that could cope with the increasing problems of water supply, distribution, and disposal was recognized. A public water district may be formed by a special act of the State Legislature, or by any general act according to specific procedures established by the Legislature. This latter process requires petition, public hearings, and election.

Both municipal water departments and public water districts are monitored directly or indirectly through fiscal and data reports to the office of the State Controller, in a manner similar to the review system established by the PUC for private companies. Through an agreement with the State Controller's Office, the Department of Water Resources has access to much of the data, including water use and customer information, submitted by these public water suppliers.

In addition, most public water suppliers prepare annual activity reports, which are channeled to the Department. If clarification of data or supplementary data is needed, the Department often contacts the water supplier directly. In this manner, the Department has established working relationships with most major water suppliers to expedite the gathering and processing of water use data.

Recently the State Department of Health Services broadened its data base by requesting supplementary information from certain water suppliers. These data, particularly for water systems not accessible through the State Controller's Office, are also made available to the Department of Water Resources.

Sampling of Water Supplier Production

Sampling, as performed by the depart-

ment, is not a randomized sampling technique as defined statistically. In a random sample, every element of a "population" (in this case, every water supplier in a given area) has an equal chance of being included in the sample. Strict statistical sampling requires that each entity selected must contribute data and that no part of the data be withheld. In practice, however, that level of response is not possible. As discussed in the preceding section, the Department receives data voluntarily provided by individual water suppliers, and through the assistance of the PUC, the State Controller's Office, and the State Department of Health Services.

The lack of standardized definitions for identifying their various customers, and the variation in methods of sorting out accounts among the different water suppliers, limit the amount of data compilation and analysis reasonably possible. For example, multiple-unit dwellings (apartments) may be classified as commercial enterprises, or as residences. Some water suppliers disregard the classification of governmental use, thereby including this group of users with commercial enterprises. Many service areas are partially or totally unmetered, making it impossible to accurately determine deliveries to specific classes of customers. These and numerous other data-handling differences greatly reduce the extent of sampling possible.

Variation in Sampling Rates

Tables 1 and 2 show the variation in sampling rates among the hydrologic study areas and among counties. In general, the more densely populated areas were sampled more intensively because of the higher quality records available in these areas. In some counties with high percentages of the population living in rural areas, few records are available. This is also true of many of the small water agencies; however, in such instances, detailed water use data would have

limited value for water planning anyway. As cities and water systems increase in both size and responsibility, record keeping often becomes more comprehensive and data are more readily available.

To increase accuracy, the Department has attempted to obtain data from additional water suppliers to increase the percentage of residents sampled in each HSA. Table 1 shows the percentage of population sampled in preparing similar tables for Bulletin 166-2, Urban Water Use in California, October 1975 (the previous edition of this bulletin).

Increased Data Coverage

During the past ten years, record keeping by water suppliers has improved significantly, enabling the Department to obtain additional data. Higher sampling rates have been possible in all HSAs except for the North Lahontan, South Lahontan, and Colorado Desert. In most instances, county data coverage between 1970 and 1980 has also improved, especially for the more densely populated counties.

The San Francisco Bay HSA is still the most heavily sampled (89 percent), followed by the South Coastal HSA (59 percent). These two HSAs contain more than three-fourths of the total State population; for 1980, this amounted to 17,758,000 people. Water deliveries are entirely metered; therefore, types of urban water uses can be segregated and computed. Although a somewhat smaller sampling rate for the Los Angeles metropolitan area was necessitated by the large volume of data from that area, a wide range of representative communities--industrial, residential, high-income, low-income, etc.--was included, thus providing representative coverage of the various types of communities.

Water production data for the North Lahontan HSA is still difficult to obtain, principally because of

incomplete metering to customers in the Tahoe Basin and the large rural and suburban populations, for which records are unavailable. Many small water suppliers in the northern and Sierra Nevada counties sell water on a flat-rate basis, and their record keeping is limited to the fiscal accounting required by the PUC and the State Controller's Office. (The data in Table 1 for the North Lahontan HSA mainly represent the Lake Tahoe Basin and were developed by the Tahoe Regional Planning Agency in the early 1970s. No later data are available.)

Water production records for the South Lahontan and Colorado Desert HSAs are also limited. What data are available shows a wide variability in water use among various communities, chiefly because of their contrasting characteristics. For example, the Riverside County portion of the Colorado Desert HSA supports a thriving resort industry (such as Palm Springs), with expansive golf courses, swimming pools, restaurants, and landscaping. Other desert communities are more austere, with little water use for such facilities or amenities. To date, most of the data have been obtained from the higher water-using communities. A higher sampling rate for the areas using less water would provide a more representative average per-capita rate for the Colorado Desert HSA as a whole.

Record keeping by water suppliers in the Central Valley (Sacramento, San Joaquin and Tulare Lake Basin HSAs) has improved significantly. Most suppliers have larger operations and responsibilities, and the use of computers has helped enhance the reliability of their records. Many new homes, apartments, and commercial establishments now receive metered water deliveries, and water production and deliveries are well documented.

The sampling rate has risen from 36 to 48 percent in the Central Valley, mainly in the Sacramento and San Joaquin HSAs.

However, further improvements in the sampling rate may be limited because of the high percentage of residents living outside of urban communities.

The Department is also trying to increase the sampling rate in the North Coastal and Central Coastal HSAs. Water suppliers in both areas are now providing more complete records, and sampling has increased by 5 percent in the North Coastal and 15 percent in the Central Coastal HSAs.

Population Served

To derive per-capita water use values, the Department must determine population counts to match the water-production data obtained from water suppliers. In some cases, these are provided by the water supplier; however, boundaries of water service areas seldom coincide with the boundaries of cities, for which population counts are made periodically, and many water suppliers find that developing accurate population estimates is not worth the effort required. In such cases the Department must make the estimates. A common technique is to identify what census tracts lie within the boundary of a water service area, and then add up the population as determined by the last U. S. Census of

Population.

To obtain estimates of water service area population for any year following the last census year, ratios between service area population and the number of active water service connections in the census year are calculated. In most cases, the ratios vary from 2.5 to 3.5 (see Table 3). These values, applied to the annual data on numbers of connections served, provide estimates of population.

When the results of the 1980 Census became available, the actual ratios of persons per connection for 1980 were calculated, and annual values for the period of 1970 and 1980 were interpolated. These values were used to check the population estimates that had been derived during the preceding ten-year period of study, based on the 1970 ratio of persons per connection. In some areas, where acceptably accurate service area population counts are available through the local water supplier or through a special census, this correction procedure is unnecessary.

Most often, a single connection serves a single dwelling. With the increasing number of multiple-unit dwellings, such as apartments and condominiums, the



Swimming pools lose water to splash and evaporation. In warm areas, pool "makeup" water is a significant summertime component of residential water use ~



The familiar kitchen dishwasher, an important part of household-interior residential water use

ratio of persons per connection tends to rise rather than remain constant. Conversely, with a trend toward fewer persons per household, the number of persons per connection tends to decrease.

Simple interpolation or extrapolation of the population counts will not detect any unusual population changes, such as would occur if a large tract of water users were annexed to the water system, or if a large number of users were suddenly severed from the service area. However, when the persons-per-connection ratio is applied, such changes in population served are easily detected.

In some instances, a water supplier may serve only a portion of a city, or, more commonly, may include customers beyond the city limits. In larger cities, the sections of the city not served by the major supplier may be served by more than one small water supplier. In such cases, the water service boundary of each supplier must be determined care-

fully to eliminate significant errors in the estimates of population served.

Self-Supplied Water Expressed on a Per-Capita Basis

A substantial amount of water used for urban purposes is self-produced by various industries and individuals, from private wells or from nearby streams. This use is not reported to any public authority. Most of this is developed by manufacturing industries. To develop estimates regarding the amount of such self-supplied water, the Department periodically conducts surveys of water use by manufacturing industries. The last survey, reported in Bulletin 124-3, Water Use by Manufacturing Industries in 1979, was designed to determine rates of water use, quantities of water purchased or self-supplied, quantities of water recycled, and quantities of waste water discharged by manufacturing industries.

All water-intensive industries^{1/} classified as active manufacturers in

^{1/} Industries requiring large quantities of water.

California during 1979 were contacted. Of the 6,900 plus questionnaires mailed, about 3,600, or 52 percent, were returned with useful information. Since only partial response was achieved, some basis for expanding the sample was needed to determine total water use by this sector. The basis selected was employment. A unit rate of water use per employee was calculated from the sample data. That rate was applied to the total number of people working in the specific industry, as indicated by employment data compiled by the firm of Dun and Bradstreet. These analyses were made for each county, using sample data from that county; where no sample data were available or the data were insufficient to use for such expansion, the average value of the statewide sample was used.

Among other things, the survey revealed that Los Angeles County is first among counties in total annual applied fresh water use (89 billion gallons) and in total number of manufacturing plants. Contra Costa County is second in use with an annual use of 29 billion gallons.

The food industry, the major user, requires an estimated annual water intake of more than 73 billion gallons. Second in use is petroleum refining, with an annual intake of 49 billion gallons; followed by lumber and wood products, 32 billion gallons; paper and allied products, 30 billion gallons; chemicals, 27 billion gallons; stone, clay, and glass, 17 billion gallons; and primary metals, 14 billion gallons.

The results of the survey and the latest data for total urban applied water use indicate that the manufacturing industry uses some 300 billion gallons (920,000 acre-feet), or about 16 percent of the State's total urban fresh water supply, annually.

The survey also shows a small decrease in total fresh water intake since 1970 (the year of the previous survey),

although there are more industrial plants now than in 1970. Constraints on discharges of industrial waste water mandated by the federal Clean Water Act (Public Law 92-500), which caused increased water recycling and other water conservation measures to be initiated, are probably the major reasons for the decreased water use. Table 9 summarizes the replies to a question asked as part of the 1980 industrial water use survey: "Have you installed water conservation methods or equipment since 1970?" The table also presents estimates of water saved by the industrial plants reporting water conservation.

To determine the amount of self-supplied manufacturing water use on an average per-capita basis for each county, the fraction of the total water use reported in the survey that is self-supplied was calculated. This fraction was then applied to the estimated total industrial water use for the county, and the quantity of water thus obtained was then divided by the county permanent population.

In addition to water being self-supplied by manufacturing industries, other industries such as mining and petroleum



Commercial office buildings require water mainly for employee use and air conditioning



Apartment dwellers make up a significant number of urban residential water users

extraction, hospitals, large commercial office buildings, and other enterprises may supply their own needs because of high public water cost, or their location in relation to the delivery system of a water supplier. Beside use by these concerns, a number of non-crop water uses are required for many farming and ranching operations. These may include milking barns, stock watering, potato washing sheds, farmstead uses, and others. At present, no measurements are available for these types of uses, and except on a very limited local basis, the quantity used is not considered significant in most State water planning studies.

Multiple-Unit Residential Water Use Study

During the early 1970s, the need for data on water use in apartment buildings became apparent, in view of the potential impact of multiple-unit residential dwellings on per capita use. Accordingly, between 1970 and 1980, the Department conducted a series of studies of water use in apartment-building dwelling units in various parts of California.

The studies covered:

1. 128 apartment buildings in 14 different locations within the city limits of Los Angeles, representing

high-, medium-, and low-income occupants and various ethnic groups;

2. 63 apartment buildings in the service area of the East Bay Municipal Utilities District (San Francisco Bay area), including structures east and west of the Oakland Hills;
3. 61 apartment buildings in San Francisco;
4. 360 apartment buildings in San Jose; and
5. 29 apartment buildings in Bakersfield, Fresno, and Modesto.

In all, water delivery data were obtained and analyzed by the Department for 641 apartment buildings containing 16,035 dwelling units. In addition, California Water Service Company furnished water-use data for 22,205 apartment building dwelling units in 11 of the California cities it serves.

The survey included apartment buildings of various sizes, ranging from 3 to more than 700 units. In addition to water delivery data, information was obtained regarding (1) the number of stories in each structure, (2) the extent of landscaped areas, (3) swimming pools, (4) number of occupants, (5) rental cost, (6) extent of water-using appliances, (7) vacancy rates, and (8) the age of the buildings.

In general, those apartments with the largest landscaped areas show the highest rates. Apartment buildings constructed after 1960, which were designed to accommodate modern water-using appliances (dishwashers, garbage disposal units, and built-in clothes washers) also generally showed higher use rates.

Table 10 broadly summarizes the results of the survey. However, the detailed data obtained is rather voluminous and therefore is not included in this bulletin. Those who want more detailed in-

formation should contact the Department's district offices in Los Angeles, Fresno, and Sacramento at the addresses shown in Appendix D.

Commercial Water Use Study

During 1979 and 1980, the Department collected and analyzed data on commercial water use from 1974 through 1978 in San Diego office buildings in two distinctly contrasting areas: (1) downtown San Diego, which contains multistory buildings constructed as early as 1907, along with a number of modern high-rise structures, and minimal landscaping. (2) Mission Valley, just north of San Diego, where the buildings are quite new and extensively landscaped.

The purpose of the study was to determine the relationship between water use and area (in square feet) of office buildings, the trend in use rates over the five years (1974-1978) covered by the study, and the seasonal variation in use rates.

Wherever possible, a 5-year record of water use data was collected for buildings that contained at least 20,000 square feet of office space. In all, 54 buildings were studied, including 32 downtown and 22 in Mission Valley. All of the buildings studied are used primarily for office space; however, some other uses are included. In some buildings, separately metered water used by restaurants was excluded from the totals. This was also true of retail establishments, which were usually located on the ground floor. On the other hand, water use by small cafeterias, beauty shops, and doctors' offices is not separately metered and

consequently could not be separated from water use in the remainder of the buildings.

Average water use in gallons per square foot was computed for each of the survey years. The results are presented in Table 11, which shows that water use in the downtown buildings decreased considerably during the five years covered by the study. In Mission Valley the decrease was smaller although statistically significant. The growing emphasis on water and energy conservation stimulated by the 1976-77 drought and the constantly increasing cost of energy may have been principally responsible for the decrease. Many building owners reported that they had reduced the operating time of cooling systems or had replaced old systems with more efficient models to conserve both water and energy.

As a group, the office buildings in Mission Valley consumed larger amount of water per occupied unit office space than did those downtown. Much of that difference results from the large amounts of water used for landscaping in Mission Valley, compared to downtown.

Water use in both study areas showed distinct seasonal variations; those in Mission Valley were the more pronounced. In the Mission Valley area, the average monthly use over the five-year study period peaked in September; the 5-year September average use was 81 percent higher than the 5-year average for March, the month of lowest use. The variation was probably due to the large seasonal need for landscape irrigation and for cooling. In downtown San Diego, the average monthly high was also reached during September.

CHAPTER IV SUMMARIES OF THE DATA

This chapter describes the tables and figures, and comments on certain highlights or aspects of the information presented. The basic data assembled from water suppliers is presented in detail in Table 3, "Water Production, Population Served and Urban Per Capita Applied Water." Many of the other tables present special summaries based on this data.

In general, per-capita water use has tended to increase over time, although annual variations have been common, primarily because of variations in weather. Usually, years with extra long rainy seasons will show reduced annual per-capita use rates, while those with short rainy seasons will exhibit high rates. An exception to this general rule occurred in many California areas during the 1976-77 drought. As the data presented in this report indicate, water conservation promoted by water suppliers and practiced by individual water users resulted in lower than average per-capita values. However, following 1978 (a very wet year, which was probably

responsible for continued relatively low per-capita use) water use rates have trended upward, and some communities that had shown significant decreases during the drought appeared to have reached predrought levels by 1981. Additional years of data are needed to determine whether this upward trend will continue.

Table 1, "Population Distribution and Percentage of Population Sampled, by Hydrologic Study Area, 1970 and 1980"

Table 1 shows total population of each HSA, the percentage of statewide population in each HSA, and the percentage of the HSA population served by the water suppliers whose delivery data is included in Table 3. In most HSAs, the sampling rate has been increased since 1970; on a statewide basis, it is now 62 percent.

The highest sampling rate--89 percent--is still found in the San Francisco Bay HSA; in the South Coastal Region the

Table 1. Population Distribution and Percentage of Population Sampled, by Hydrologic Study Area, 1970 and 1980

Hydrologic Study Area	Total Population ^{1/} (1000's)		Percent of State Population		Percent of Population Sampled	
	1970	1980	1970	1980	1970	1980
North Coast	174.8	458.9	0.9	1.9	42	47
San Francisco Bay	4,537.5	4,789.8	22.7	20.15	87	89
Central Coast	791.9	1,005.3	4.0	4.2	42	57
South Coastal Region (Los Angeles, Santa Ana, San Diego HSAs)	11,027.8	12,968.2	55.1	54.55	50	59
Sacramento	1,227.1	1,674.4	5.9	7.0	33	49
San Joaquin	728.9	1,014.2	2.1	4.3	27	42
Tulare Lake	946.8	1,178.3	4.7	5.0	44	52
North Lahontan	42.0	60.8	0.2	0.3	64	-
South Lahontan	235.4	303.4	1.2	1.3	28	21
Colorado River	225.6	320.0	1.1	1.3	34	34
TOTAL	20,009.0	23,773.3	100	100	55.4	62.5

^{1/} Resident Population Only

rate is 59 percent, followed by the Central Coastal HSA at 57 percent. Only limited data were obtained from water suppliers in the North Lahontan and South Lahontan HSAs.

Table 2, "Population Distribution and Percentage of Population Sampled, by County, 1980"

Table 2 presents the same kind of information as Table 1, but for 1980 only. Figure 4 shows that there is more intensive sampling in the areas with the largest population concentrations.

Table 3, "Water Production, Population Served, and Urban Per-Capita Applied Water"

(See page 36)

Table 3 reports annual data for 1970 through 1980 collected from 181 water suppliers. This table provides the basis for examining changes in rates of use during the past decade; the wide range in rates of use among water agencies, which is due to many factors but principally reflects the different climatic conditions around the State; the seasonal variations in per-capita use rates, which reflect California's Mediterranean climate of cool winters and hot, dry summers; and the annual variance due primarily to variations in temperature and precipitation from one year to the next.

Table 4, "Annual Per-Capita Use of Water Provided by Selected Water Suppliers, 1950-1980"

(See page 218)

This table presents 1950 through 1980 annual per-capita water-use data supplied by a selected group of California cities and other water systems. Such records were presented for the period 1940 through 1970 in the preceding issue of this bulletin series (Bulletin 166-2, 1975). Most of the cities show a continuous annual increase

in per-capita use up to 1976-77, a sharp drop during those two drought years, followed by an upturn.

Table 2. Population Distribution and Percentage of Population Sampled, by County, 1980

County	Population (1000's)	Percent Sampled
Alameda	1,105,400	97
Alpine	1,100	—
Amador	19,600	—
Butte	145,500	54
Calaveras	21,000	—
Calusa	12,700	37
Contra Costa	660,900	90
Del Norte	18,400	46
El Dorado	87,700	NA
Fresno	517,200	61
Glenn	21,500	33
Humboldt	108,000	60
Imperial	92,900	26
Inyo	17,900	19
Kern	405,600	50
Kings	73,700	38
Lake	36,900	10
Lassen	21,800	30
Los Angeles	7,497,200	62
Madera	63,900	34
Marin	222,900	98
Mariposa	11,400	—
Mendocino	67,200	18
Merced	135,200	42
Modoc	8,600	36
Mono	8,600	—
Monterey	291,000	62
Napa	99,100	66
Nevada	52,700	—
Orange	1,941,100	51
Placer	118,400	21
Plumas	17,600	11
Riverside	671,800	51
Sacramento	788,300	62
San Benito	25,100	46
San Bernardino	903,700	37
San Diego	1,869,100	69
San Francisco	678,000	100
San Joaquin	349,600	42
San Luis Obispo	156,500	46
San Mateo	588,900	79
Santa Barbara	299,500	75
Santa Clara	1,300,000	88
Santa Cruz	189,000	50
Shasta	116,600	45
Sierra	3,100	—
Siskiyou	40,000	26
Salano	238,300	50
Sonoma	301,600	56
Stanislaus	267,000	34
Sutter	52,300	—
Tehama	39,400	37
Trinity	11,900	—
Tulare	247,200	40
Tuolumne	34,300	10
Ventura	535,700	47
Yolo	113,800	60
Yuba	49,900	20
Average Statewide Percent Sampled		63

Figure 4

PERCENT OF COUNTY POPULATION SERVED BY WATER SUPPLIERS PROVIDING WATER USE DATA

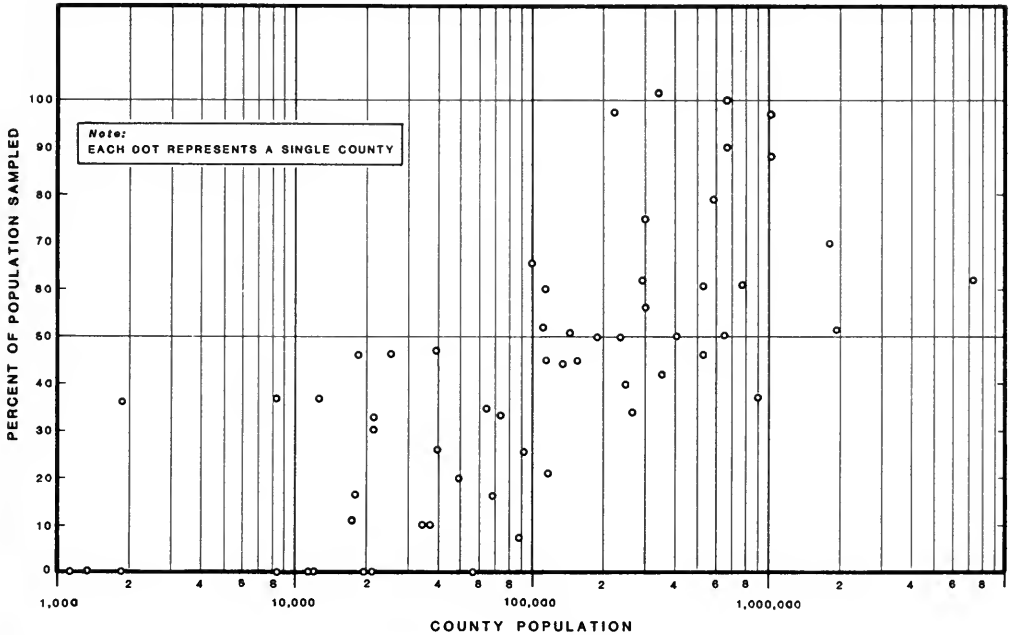


Table 5, "Monthly and Annual Weighted Average Per-Capita Use of Water Provided by Sampled Water Suppliers, by Hydrologic Study Area"

(See page 220)

These values are weighted averages of the individual water supplier data presented in Table 3. These patterns of monthly distribution of water use can be used as an approximation of monthly distribution of the annual county data shown in Table 6.

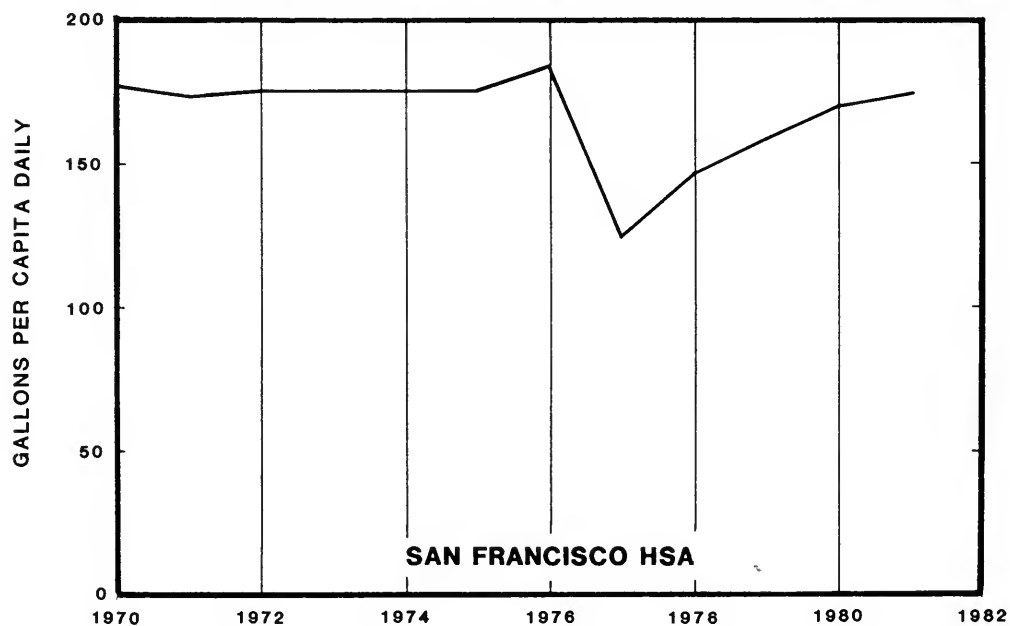
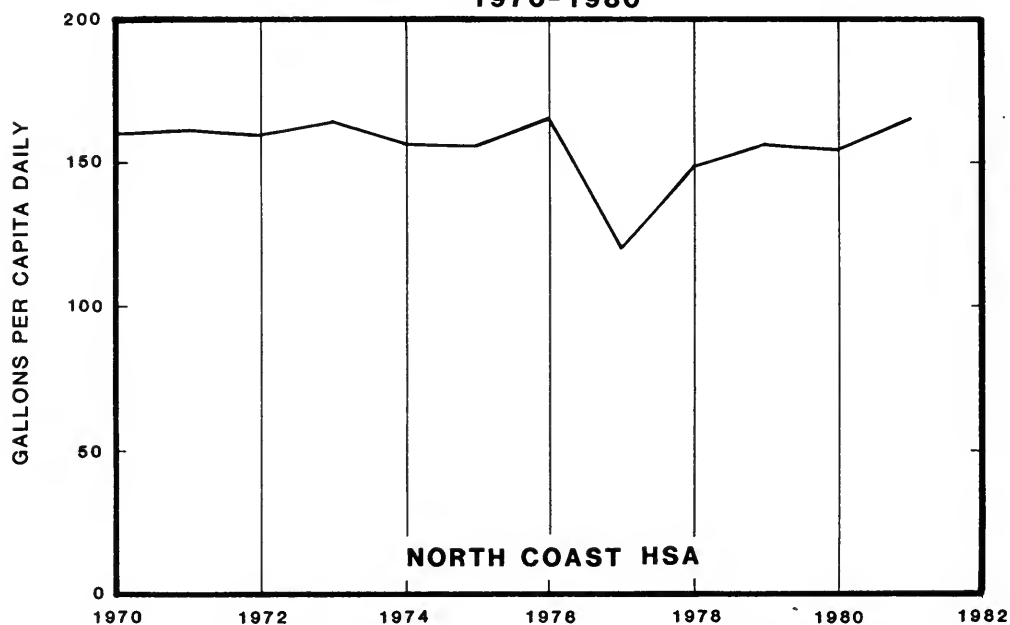
Summer use rates in the South Coastal and San Francisco Bay HSAs are approximately twice as high as winter use rates; in the Central Valley and the South Lahontan HSA, summer rates are some three times as high as winter use rates, principally because of the summer heat and the large quantities of water use for landscape irrigation. On the

other hand, in the Colorado River HSA, winter rates are quite high due to the large number of winter tourists and the many golf courses in the Palm Springs area.

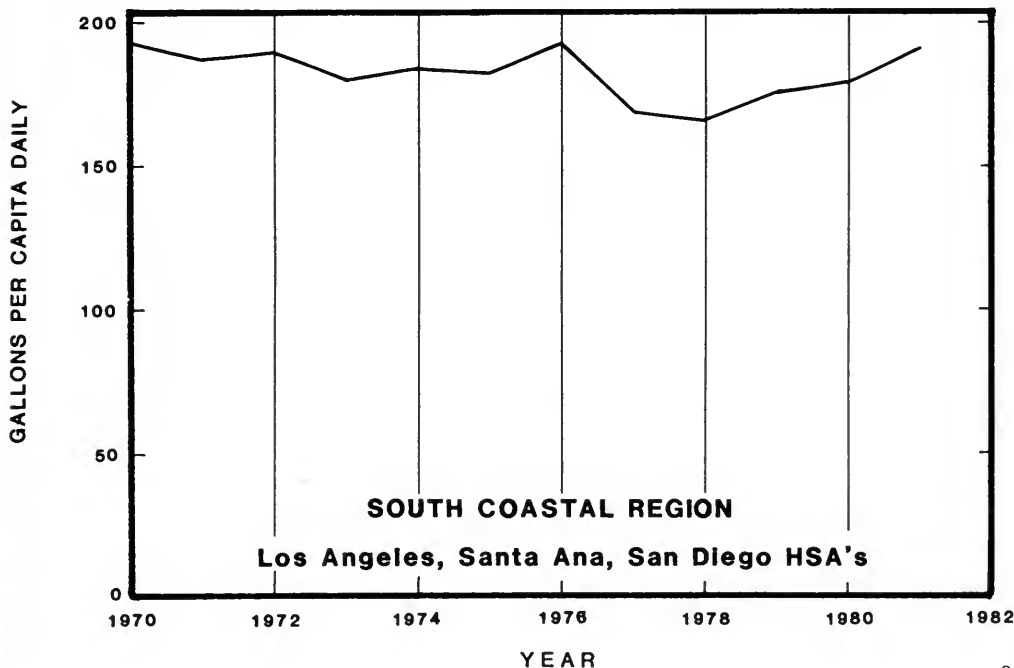
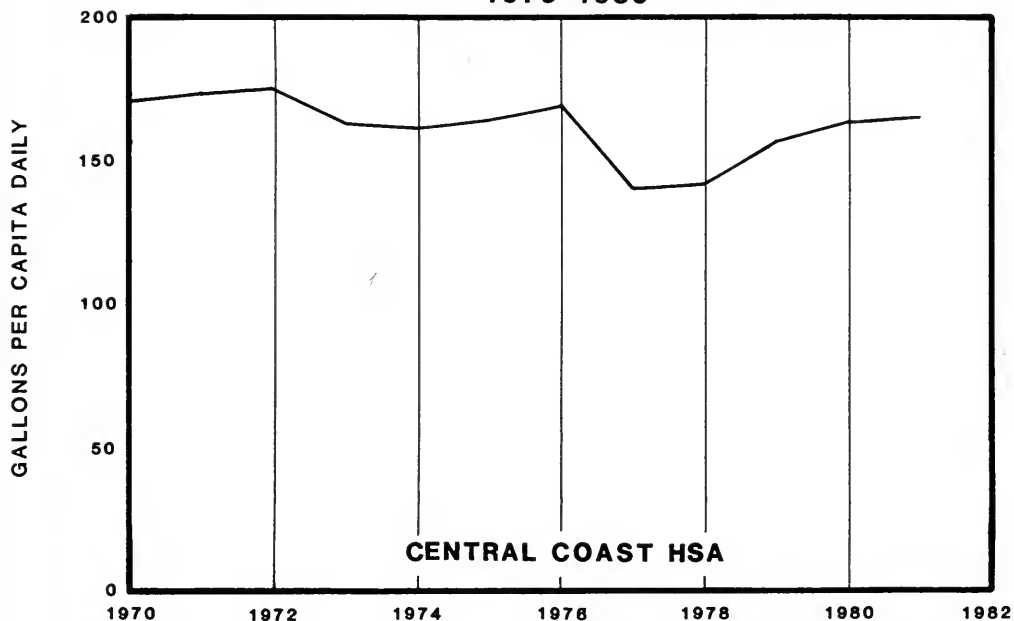
These monthly variations are shown graphically in Figure 5. The annual variation between 1970 and 1980 for each HSA is indicated by Figure 6. After years of a general upward trend, overall per-capita water use appears to have trended toward a leveling off over the past decade, although interpretation of the trend line is complicated by the 1976-77 drought. During the drought, many communities have experienced mandatory water rationing or voluntary reduction in water use.

In most HSA's, since 1977, per-capita water use appears to be returning to about the level of use that prevailed

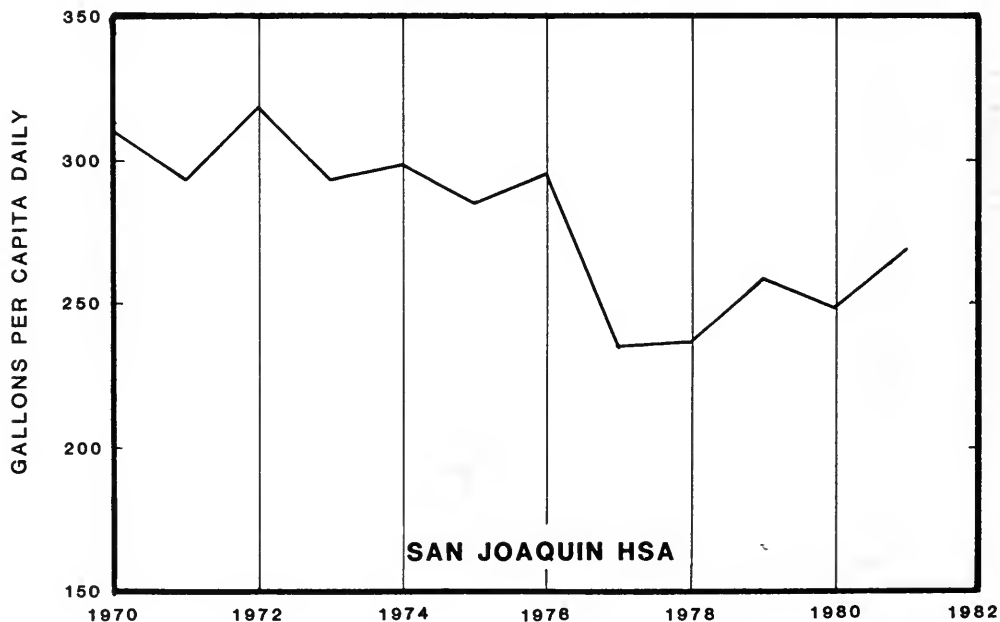
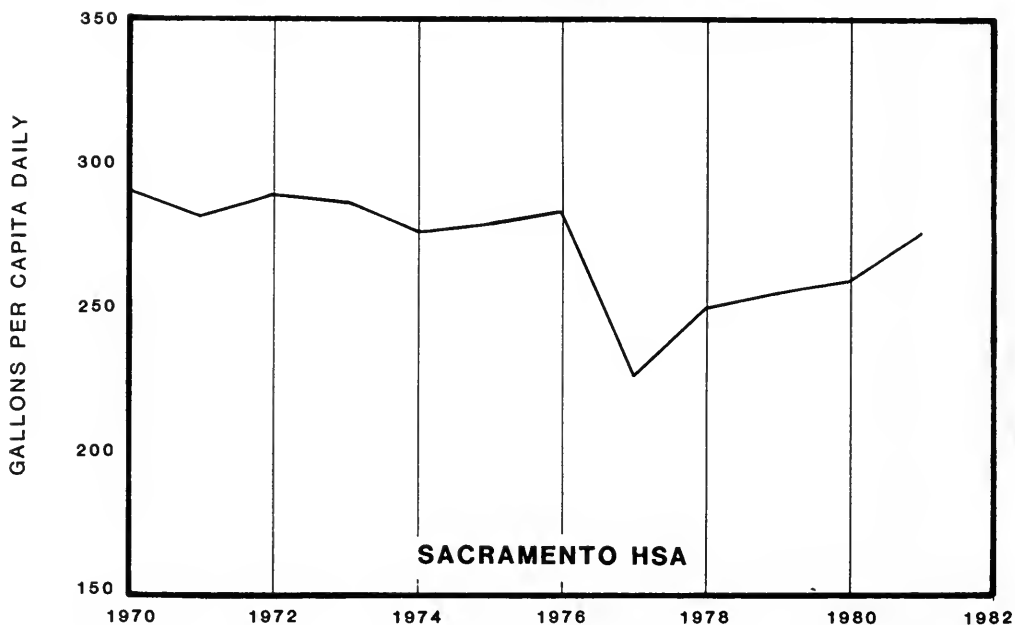
**Figure 5. ANNUAL WEIGHTED AVERAGE PER-CAPITA USE OF
WATER PROVIDED BY SAMPLED WATER SUPPLIERS
1970-1980**



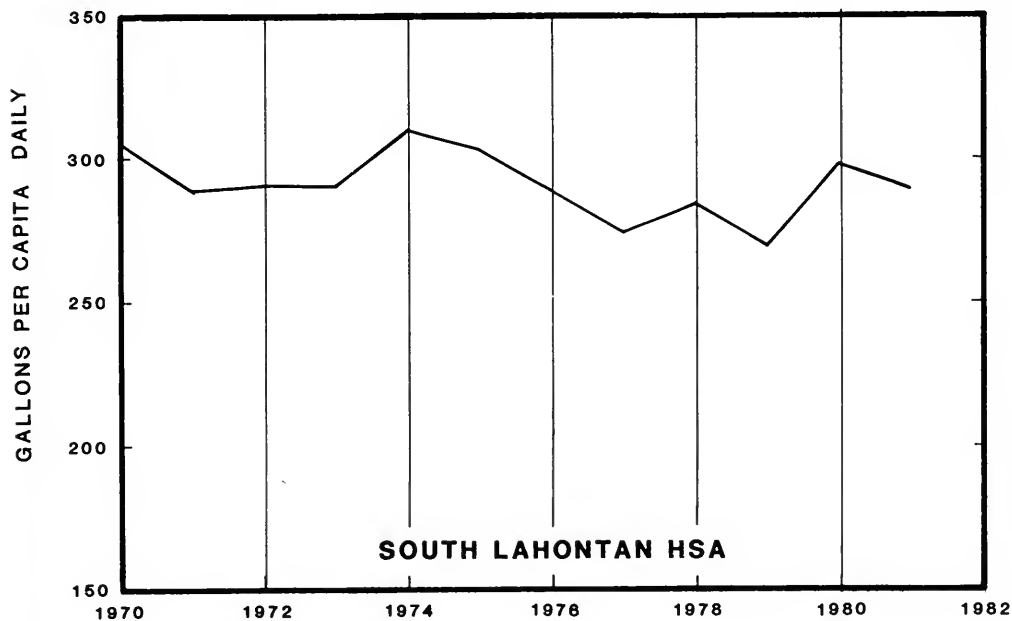
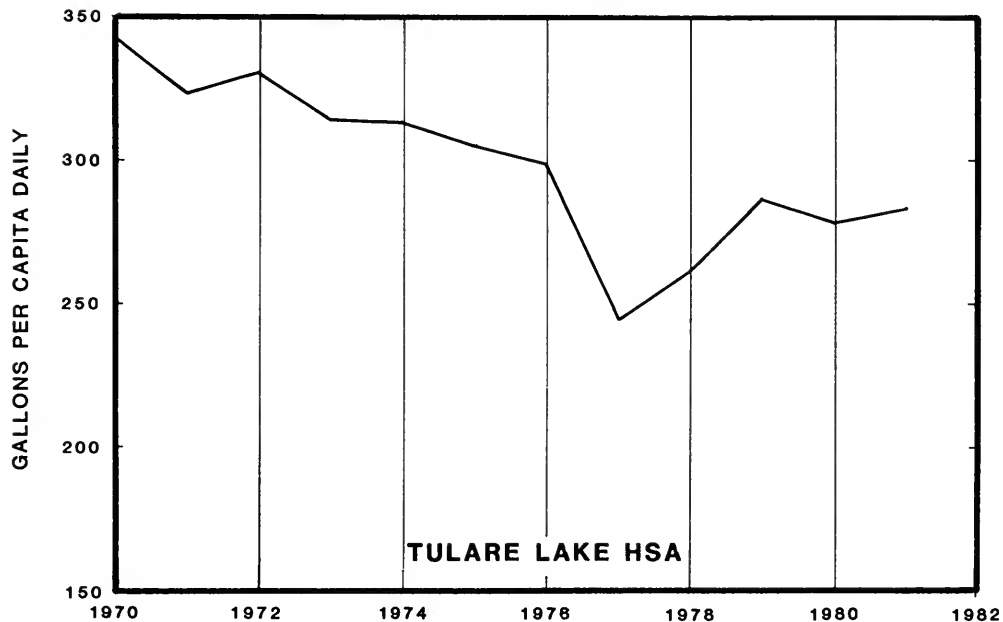
**Figure 5(cont.) ANNUAL WEIGHTED AVERAGE PER CAPITA USE
OF WATER PROVIDED BY SAMPLED WATER SUPPLIERS
1970-1980**



**Figure 5(cont.) ANNUAL WEIGHTED AVERAGE PER CAPITA USE
OF WATER PROVIDED BY SAMPLED WATER SUPPLIERS
1970-1980**



**Figure 5(cont.) ANNUAL WEIGHTED AVERAGE PER CAPITA USE
OF WATER PROVIDED BY SAMPLED WATER SUPPLIERS
1970-1980**



**Figure 5(cont.) ANNUAL WEIGHTED AVERAGE PER CAPITA USE
OF WATER PROVIDED BY SAMPLED WATER SUPPLIERS
1970-1980**

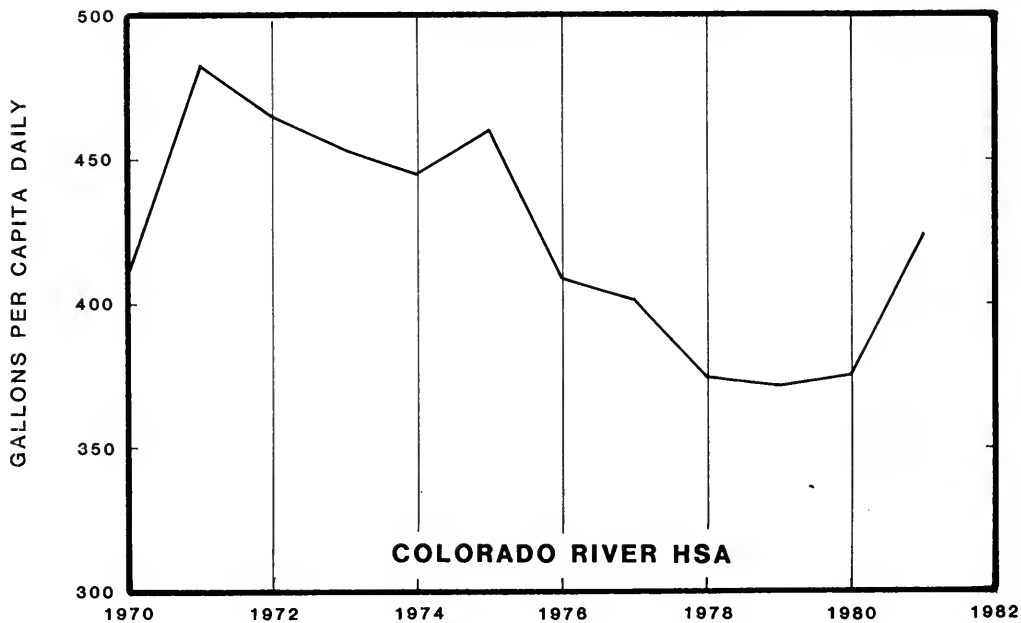
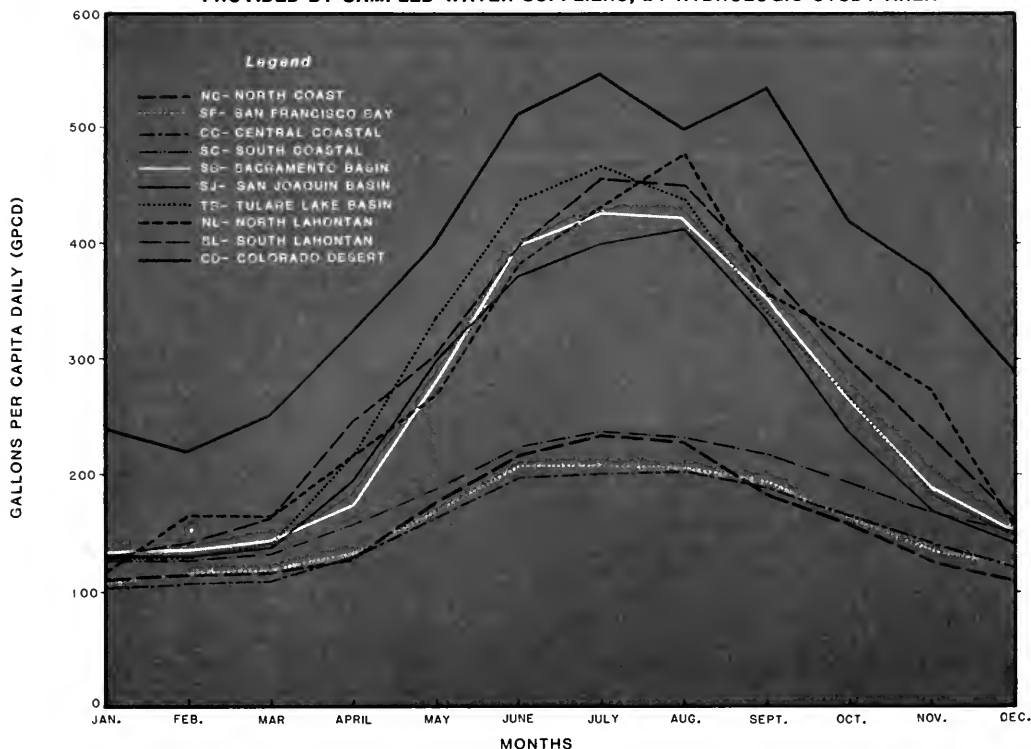


Figure 6 MONTHLY WEIGHTED AVERAGE PER CAPITA USE OF WATER PROVIDED BY SAMPLED WATER SUPPLIERS, BY HYDROLOGIC STUDY AREA



just prior to the drought. However, more years of data beyond 1976- 77 are needed to determine the direction of the long-term trend. For more discussion of likely future trends, see Bulletin 160-83, The California Water Plan--Projections of Water Use and Water Supplies (to be published later in 1983).

Note that the data in Table 5 are weighted averages of per-capita water use based on the sampled water supplier data only. They do not include self-supplied water, nor do they represent average per-capita water use for the entire HSA population. See page 7 for the derivation of a more representative

average per-capita water-use value for each HSA.

Table 6, "Weighted Average Per-Capita Use of Water Provided by Sampled Water Suppliers and Manufacturing Industries' Self-Supplied Water, by County"

(See page 221)

The per-capita water use values shown in this table are the weighted averages of the sampled water suppliers' data in each county, as presented in Table 3, and the estimated industry self-supplied water for each county, expressed on a per-capita basis. The latter is based upon information presented in

Note that while the values in Table 6 for per-capita use of self-supplied water are intended to account for all use of such water in each county, the per-capita value for water provided by water suppliers is based on the sampled data only, and may not accurately represent average per-capita water use of all water provided by water suppliers in each county. The reliability of these data as representative of the actual county average per-capita use is a function of the intensity of the sampling rate in the county (see Table 2).

Table 7, "Percent Distribution of Water Use, by Type of Use for Sampled Water Suppliers"

(See page 222)

Table 7 shows the approximate percentage of agency supplied water that is residential, commercial, industrial, and governmental in 41 cities. About 35 percent of the State's population (1980) resided within the service areas of those 41 city water systems.

In some cases, the water supplier's accounting office classifies apartment water deliveries as commercial use, whereas the Department considers apartment water use as residential use. Where this occurs, the amount of apartment water use included in the commercial category must be estimated and added to the residential category and subtracted from the commercial category. Census of Housing data are used to help in that process.

Table 8, "Approximate Average Cost of Water to Users, by County, 1980"

(See page 223)

The costs shown in Table 8, which do not include ad valorem taxes, compare the prices for an acre-foot of water from various water suppliers. The figures

were derived from data provided by the Office of the State Controller (See References 5 and 6), which publishes the financial transactions of incorporated cities operating their own water systems, and from data provided by special districts that develop and distribute water to the public. Data for commercial water service companies were obtained from annual reports of water utilities to the PUC and through the courtesy of the California Water Service Company.

The values shown in Table 8 were derived by dividing total operating revenue, minus sales to other water utilities (for resale) and water used for crop irrigation, by the total quantities of water distributed to retail users by the water suppliers.

Revenue is derived from residential, commercial, industrial, and government sales, fire protection services, meter and service installations, ground water replenishment, and other sales and services performed in the service area of each water supplier. The rate charged to customers not only covers the cost of water delivered to them, but also the costs of unaccountable losses from leaks and unpaid deliveries, mainly to local public institutions.

Table 8 shows that with few exceptions, the retail price of water has at least doubled during the past ten years; also, that the retail prices of water vary noticeably among different water suppliers. This latter occurs for various reasons, such as the cost of pumping and producing water, other operating costs, free deliveries, capital expenditures, and bonded indebtedness.

Table 9, "Manufacturing Industries Water Conservation, 1979"

(See page 226)

The data in Table 9 were obtained through a survey conducted by the Department and reported in Bulletin

124-3, Water Use by Manufacturing Industries in California, 1979.

The data show the reported combined level of industrial water conservation during 1979 by each major manufacturing industry group, and the estimated total water conservation by each major group (for all entities responding to the survey) expressed as a percentage reduction in water intake compared to the intake that would have been required without conservation.

Industrial (manufacturing) water use has been affected significantly by Public Law 92-500 (the Clean Water Act), which has encouraged manufacturers to reduce water intake, increase recirculation, and curtail discharges of plant effluent.

Water-intensive industries that have begun water-conservation programs indicate water intake reductions ranging from 13 to 48 percent. The largest percentage reductions were found in the Stone, Clay, Glass, and Concrete industrial group (SIC Group 32), which reported reductions of 48 percent. In the major water-using industry, Food and Kindred Products (SIC 20), conserving plants reduced water intake 21 percent, whereas the overall water reductions for this group averaged 16 percent. The food industry also reported the largest reduction in quantity of intake water through conservation practices.

Based on the preceding sample data, the Department has estimated that total statewide reduction of intake water by all manufacturing plants in 1980 (from what would have occurred without conservation) was about 175,000 acre-feet.

Table 10, "Sampling of Multiple-Unit Residential Water Use"

(See page 227)

Table 10 presents water-use data from nearly 40,000 apartment dwelling units. The Department studies were concentrated principally in the Los Angeles and San Francisco Bay metropolitan areas, beginning in 1978, although some information was obtained from earlier studies in the San Joaquin Valley. Also presented are data provided by the California Water Service Company for all multiple-unit residential structures in 10 of the cities it serves.

Daily water use ranged from 100 to 335 gallons per dwelling unit, but the average was about 170 gallons. Although the survey was based on total dwelling units rather than on occupied units only, the data covered a period when vacancy rates were very low.

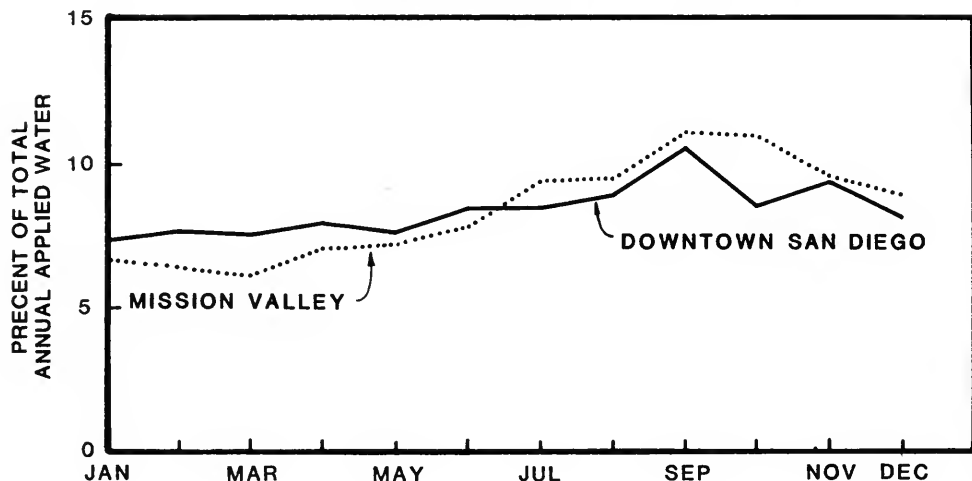
Table 11, "Sampling of Water Use In Office Buildings"

(See page 228)

Office water use was examined in 1979-1980 Department study of selected San Diego area office buildings, based on data from 1974-1978. The results are shown in Table 11, in which average monthly water use is related to square feet of occupied office space and expressed as a percentage of annual total use. The monthly variation is shown graphically in Figure 7.

The two study areas selected in San Diego (downtown and Mission Valley) showed an average use of 3.11 and 4.21 gallons, respectively, per square foot of occupied space.

**Figure 7. MONTHLY VARIATIONS IN APPLIED WATER FOR
SAMPLED SAN DIEGO AREA OFFICE BUILDINGS
1974 - 1978 AVERAGE**



**Table 12, "Recreation Water Use at
Selected State Park Overnight
Campground Facilities"**

(See page 228)

One type of governmental water use is shown in Table 12, which shows water use rates at three overnight public camp-

grounds in Northern California. The table also shows the duration of the measurement period each year over the course of the study and the number of visitor days, from which per-capita values were calculated. The composite average unit value is 29 gallons per-capita daily.

TABLES 3 THROUGH 12 FOLLOW:

Table 3,	see page 36
Table 4,	see page 218
Table 5,	see page 220
Table 6,	see page 221
Table 7,	see page 222
Table 8,	see page 223
Table 9,	see page 226
Table 10,	see page 227
Table 11,	see page 228
Table 12,	see page 228

TABLE 3
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ALAMEDA
:
CITY FREMONT, NEWARK, UNION CITY

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER ALAMEDA COUNTY WATER DISTRICT
Type COUNTY WATER DISTRICT

CITY CENSUS POPULATION
1970 _____
1980 _____

SYSTEM SERVES: District _____
ALL ACCOUNTS IN 82X _____ ☒
ALL ACCOUNTS IN CITY+ OUTSIDE _____ ☐
PARTLY IN CITY ONLY _____ ☐
OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Citizens Utilities Company of California
serves part of Union City

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	34,540		458	431	479	547	724	850	905	862	849	676	535	438	7,754
1972	36,875		457	448	672	703	943	920	1,034	1,015	845	597	542	523	8,699
1973	38,030		541	489	549	728	1,022	1,076	1,082	905	846	651	520	496	8,905
1974	38,830		517	463	548	588	922	1,012	1,027	1,041	900	790	538	519	8,865
1975	40,335		526	482	537	573	952	1,045	1,054	1,006	888	675	544	597	8,879
1976	42,165		618	591	680	771	1,118	1,144	1,159	970	944	785	657	690	10,127
1977	47,270		616	504	529	602	560	700	843	793	697	676	536	494	7,550
1978	49,300		482	461	561	548	892	1,042	1,082	1,106	926	840	648	583	9,171
1979	51,307		563	516	611	659	971	1,190	1,198	1,141	1,077	823	600	620	9,969
1980	53,560		587	566	648	771	988	1,163	1,197	1,216	1,050	952	777	674	10,589

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970																
1971	4.00	138,160	107	111	112	132	169	205	211	201	205	158	129	102	154	.172
1972	3.98	146,762	103	105	148	160	207	209	227	223	192	131	123	115	162	.181
1973	3.96	150,599	116	116	118	161	219	238	232	194	187	139	115	106	162	.181
1974	3.93	152,602	109	108	116	128	195	221	217	220	197	167	118	110	159	.178
1975	3.91	157,710	108	109	110	121	195	221	216	206	188	138	115	122	154	.172
1976	3.89	164,022	122	124	134	157	220	232	228	191	192	154	134	136	169	.189
1977	3.87	182,935	109	98	93	110	99	128	149	140	127	119	98	87	113	.127
1978	3.84	189,312	82	87	96	96	152	183	184	188	163	143	114	99	133	.149
1979	3.82	195,993	93	94	101	112	160	202	197	188	183	135	102	102	139	.156
1980	3.80	203,477	93	96	103	126	157	191	190	193	172	151	127	107	142	.159
AVERAGE	3.82	196,261	89	92	100	111	156	192	190	190	173	143	114	103	138	.155

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ afpcd - ACRE-FEET PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ALAMEDACITY HAYWARDHYDROLOGIC STUDY AREA SAN FRANCISCO BAYWATER SUPPLIER HAYWARDType MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 93,0581980 94,167

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

East Bay M.U.D.

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	22,169	21,941	297	318	282	360	386	502	556	618	754	455	404	343	5,275
1972	22,396	22,160	304	316	370	375	499	561	594	675	720	412	333	305	5,464
1973	22,708	22,470	291	299	312	330	495	576	634	690	614	496	362	307	5,414
1974	23,047	22,807	295	337	285	345	449	568	564	687	678	505	377	311	5,401
1975	23,293	23,050	314	300	294	311	441	626	541	717	704	572	379	341	5,548
1976	23,486	23,239	348	376	357	433	516	582	656	638	670	449	409	361	5,795
1977	23,571	23,329	323	291	250	281	297	344	352	401	459	332	292	269	3,891
1978	23,735	23,488	263	250	281	275	346	464	499	541	455	421	390	298	4,483
1979	24,512	24,257	300	317	287	322	435	592	540	596	566	498	321	304	5,078
1980	25,069	24,801	321	311	296	405	416	496	555	536	496	502	391	308	5,033

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970																
1971	3.95	87,568	109	130	104	137	142	191	205	228	287	168	154	126	165	.185
1972	3.90	87,344	112	125	137	143	184	214	219	249	275	152	127	113	171	.192
1973	3.86	87,653	107	122	115	129	182	219	233	254	233	183	138	113	169	.189
1974	3.82	88,040	108	137	104	131	165	215	207	252	252	185	143	114	168	.188
1975	3.77	87,815	115	125	108	118	162	238	199	263	267	210	144	125	173	.194
1976	3.73	87,603	128	148	131	165	190	221	242	235	255	165	156	133	181	.203
1977	3.69	86,977	120	119	93	108	110	132	131	149	176	123	112	100	123	.138
1978	3.64	86,395	98	103	105	106	129	179	186	202	176	157	150	111	142	.159
1979	3.60	88,243	110	128	105	122	159	224	197	218	214	182	121	111	158	.177
1980	3.55	88,995	116	121	107	152	151	186	201	194	186	182	146	112	155	.174
AVERAGE	3.60	87,878	108	117	106	127	146	196	195	205	192	174	139	111	152	.170

^{1/} gpcd - GALLONS PER CAPITA PER DAY
^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ALAMEDA

CITY LIVERMORE

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 37,703

1980 48,340

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☐

PARTLY IN CITY ONLY ☒

OTHER and outside

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

City of Livermore

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *	TOTAL WATER INTO SYSTEM (million gallons)													ANNUAL
		SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
1970															
1971	10,222		86.9	95.9	115.8	140.7	186.3	249.3	285.0	273.1	235.9	180.1	123.8	97.0	2,069.8
1972	10,976		104.1	102.6	163.1	183.9	250.2	274.6	306.2	282.4	212.4	132.5	105.6	106.9	2,224.5
1973	11,604		100.8	93.0	104.7	109.0	266.8	303.6	320.7	297.0	233.8	148.7	99.9	98.4	2,256.4
1974	11,984		99.7	100.6	117.0	143.6	261.6	296.9	314.3	310.9	260.8	195.7	111.5	106.9	2,319.5
1975	12,196		107.7	94.0	103.6	124.2	274.8	309.8	319.3	307.2	268.9	169.0	124.4	124.9	2,327.8
1976	12,362		148.9	130.5	169.0	207.7	303.6	326.0	349.4	266.4	256.9	188.9	145.4	151.4	2,644.1
1977	12,526		119.7	102.7	111.5	171.1	154.9	240.8	272.5	249.8	194.8	139.8	100.8	97.2	1,955.6
1978	12,581		80.6	81.5	97.6	109.5	249.2	294.4	316.9	302.9	236.6	212.3	124.2	114.9	2,220.6
1979	12,609		109.0	105.4	122.5	154.9	251.5	320.8	335.9	311.1	286.3	180.9	116.5	125.8	2,420.6
1980	12,665		110.6	110.6	135.7	165.4	229.8	269.2	286.2	285.8	231.4	194.5	143.4	111.0	2,273.6

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970																
1971	3.61	36,901	76	93	101	127	163	225	249	239	213	157	112	85	154	.172
1972	3.60	39,514	85	90	133	155	204	232	250	231	179	108	89	87	154	.172
1973	3.59	41,658	78	80	81	151	207	243	248	230	187	115	80	76	148	.166
1974	3.59	43,023	75	84	88	111	196	230	236	233	202	147	86	80	148	.166
1975	3.54	43,174	80	78	77	96	205	239	239	230	208	126	96	93	148	.166
1976	3.50	43,267	111	104	126	160	226	251	260	199	190	141	112	113	167	.187
1977	3.46	43,340	89	85	83	132	115	185	203	186	150	104	78	72	124	.139
1978	3.41	42,901	61	60	73	85	187	229	238	228	184	160	97	86	142	.159
1979	3.37	42,492	83	89	93	122	191	252	255	236	225	137	91	96	156	.175
1980	3.33	42,174	85	90	104	131	176	213	219	219	183	149	113	85	147	.165
AVERAGE 1979-1980	3.37	42,522	76	82	90	113	185	231	237	228	197	149	100	89	148	.166

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ALAMEDA

CITY PLEASANTON

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER PLEASANTON

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 18,3281980 35,160

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY ^{3/}	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	7,166		63.1	67.2	76.4	89.4	136.8	169.4	211.7	206.2	185.5	153.1	104.1	79.9	1,542.8
1972	7,506		84.3	82.6	120.4	131.7	187.6	222.4	240.6	223.7	171.7	107.7	85.6	85.3	1,743.6
1973	8,194		87.9	78.2	91.5	149.0	215.6	243.5	260.9	244.2	194.2	135.5	96.6	91.4	1,888.5
1974	8,218		97.3	91.3	104.5	119.7	225.9	245.6	271.9	269.0	236.4	182.5	108.2	105.0	2,057.3
1975	8,842	8,622	110.9	96.4	107.3	121.6	230.6	266.1	281.6	265.5	223.7	147.3	113.3	122.0	2,086.3
1976	9,174		129.1	103.2	136.0	167.6	270.6	287.2	312.5	231.9	243.2	170.3	135.6	129.9	2,317.1
1977	9,324	9,086	100.8	92.2	102.9	160.2	146.6	222.2	250.9	239.3	190.2	173.0	106.5	95.9	1,880.7
1978	9,652	9,407	91.5	82.9	97.3	97.8	218.2	256.2	282.9	283.5	229.1	191.8	123.1	109.2	2,063.5
1979	10,017	9,775	106.7	93.7	107.7	126.4	221.8	291.8	302.4	275.8	251.4	161.0	106.5	112.9	2,158.1
1980	10,019	9,764	108.4	103.6	122.6	158.8	208.1	262.1	289.3	288.1	239.3	204.0	154.3	116.8	2,255.4

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
1970																
1971	3.56	25,511	80	94	97	117	173	221	268	261	242	194	136	101	166	.186
1972	3.59	26,947	101	106	144	163	225	275	288	268	212	129	106	102	177	.198
1973	3.62	29,662	96	94	100	167	234	274	284	266	218	147	109	99	174	.195
1974	3.65	29,996	105	109	112	133	243	273	292	289	263	196	120	113	188	.211
1975	3.67	32,450	110	106	107	125	229	273	280	264	230	146	116	121	176	.197
1976	3.66	33,577	124	106	131	166	260	285	300	223	241	164	135	125	189	.212
1977	3.65	34,033	96	97	98	157	139	218	238	227	186	164	104	91	151	.169
1978	3.63	35,037	84	85	90	93	201	244	260	261	218	177	117	101	161	.180
1979	3.62	36,262	95	92	96	116	197	268	269	245	231	143	98	100	163	.183
1980	3.61	36,169	97	99	109	146	186	242	258	257	221	182	142	104	171	.192
AVERAGE 1978-1980	3.62	35,823	92	92	98	118	195	251	262	254	223	167	119	102	165	.185

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

^{3/} Outside connections not available for 1971, 1974, and 1976.

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ALAMEDA

CITY SAN RAMON VILLAGE, DUBLIN, AND OTHER UNINCORPORATED PLACES

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

DUBLIN SAN RAMON SERVICES DISTRICT (formerly Valley
Community Services District)

WATER SUPPLIER COMMUNITY SERVICES DISTRICT

Type COMMUNITY SERVICES DISTRICT

CITY CENSUS POPULATION

1970

1980

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER Unincorporated ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	3,600		41.5	40.3	50.2	53.6	73.8	95.7	85.0	80.1	68.0	51.1	41.1	35.4	715.8
1972	3,640		37.6	45.5	61.4	59.0	90.6	95.6	104.3	97.9	74.3	46.0	40.5	38.6	791.3
1973	3,700		39.3	35.5	40.0	56.2	90.3	101.9	111.2	104.0	83.4	57.7	46.5	44.9	810.9
1974	3,820		39.4	36.7	43.4	49.4	86.3	102.0	111.3	105.8	91.1	72.1	42.7	38.3	818.5
1975	3,855		40.2	40.9	42.5	43.5	90.8	109.4	109.0	111.9	92.3	72.6	55.0	46.3	854.4
1976	3,890		49.6	42.8	53.3	62.8	100.7	110.8	114.6	94.1	86.3	67.5	48.8	47.6	878.9
1977	3,935		40.6	34.0	37.0	49.6	49.3	72.9	82.7	79.8	63.7	60.8	40.4	35.4	646.2
1978	3,978		42.5	34.0	37.0	49.5	49.3	72.9	82.7	81.2	63.7	60.8	40.5	35.4	649.5
1979	4,013		35.6	32.1	40.7	44.5	73.6	98.1	104.2	94.3	89.4	60.2	37.3	38.0	748.0
1980	4,050		35.8	36.7	42.4	52.0	68.1	88.8	76.0	99.3	82.9	77.2	52.3	39.8	751.3

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) 1/														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	atpca 2/	
1970																	
1971	3.59	12,924	104	111	125	138	184	247	212	200	175	128	106	88	152	.170	
1972	3.56	12,958	94	121	153	152	226	246	260	244	191	115	104	96	167	.187	
1973	3.53	13,061	97	97	99	143	223	260	275	257	213	143	119	111	170	.190	
1974	3.51	13,408	95	98	104	123	208	254	268	255	226	173	106	92	167	.187	
1975	3.48	13,415	97	109	102	108	218	272	262	269	229	175	137	111	174	.195	
1976	3.45	13,421	119	110	128	156	242	275	275	226	214	162	121	114	179	.200	
1977	3.42	13,458	97	90	89	123	118	181	198	191	158	146	100	85	132	.148	
1978	3.39	13,485	102	90	89	122	118	180	198	194	157	145	100	85	132	.148	
1979	3.36	13,484	85	85	97	110	176	243	249	226	221	144	92	91	152	.170	
1980	3.33	13,500	86	94	101	128	163	219	182	237	205	184	129	95	152	.170	
AVERAGE	3.36	13,490	91	90	96	120	152	214	210	219	194	158	107	90	145	.162	

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ atpca - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ALAMEDA, CONTRA COSTA

CITY CENSUS POPULATION

CITY WESTERN PORTION OF ALAMEDA & CONTRA COSTA COUNTIES

1970

1980

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER Several CitiesWATER SUPPLIER EAST BAY MUNICIPAL UTILITY DISTRICT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

Type MUNICIPAL UTILITY DISTRICT

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)													ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
1970																
1971	295,971		4,941	4,685	5,468	5,786	6,783	7,761	8,396	8,424	7,920	6,741	5,582	5,100	77,587	
1972	297,852		5,124	4,731	5,902	6,146	7,727	8,001	8,774	8,657	7,098	5,649	5,019	5,236	78,064	
1973	299,225		5,062	4,552	5,193	6,444	7,924	8,561	8,764	8,491	7,141	6,086	5,227	5,095	78,540	
1974	300,134		5,188	4,687	5,126	5,415	7,438	8,021	8,155	8,446	7,584	6,750	5,118	5,059	76,987	
1975	301,944		5,126	4,466	4,908	5,148	7,588	7,951	8,258	8,427	7,592	5,994	5,165	5,363	75,986	
1976	304,479		5,626	5,021	5,826	6,230	8,301	8,615	8,692	7,668	7,313	6,489	5,718	5,725	81,224	
1977	310,960		5,160	3,930	3,961	3,963	3,847	4,260	4,565	4,620	4,102	3,995	3,484	3,415	49,302	
1978	312,914		3,526	3,378	3,902	3,737	5,569	6,115	6,593	6,642	5,729	5,420	4,301	4,144	59,056	
1979	317,685		4,040	3,822	4,198	4,499	5,874	6,894	7,127	7,170	6,859	5,301	4,363	4,552	64,699	
1980	322,236		4,513	4,260	4,862	5,192	6,117	6,886	7,309	7,319	6,443	6,078	5,125	4,701	68,805	

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) ^{1/}														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpc ^{2/}	
1970		3/															
1971	3.61	1,069.0	149	152	165	180	205	242	253	254	247	203	174	154	199	.223	
1972	3.59	1,070.0	154	152	178	191	233	249	265	261	221	170	156	158	199	.223	
1973	3.58	1,070.0	153	152	157	201	239	267	264	256	222	183	163	154	201	.225	
1974	3.54	1,061.0	158	158	156	170	226	252	248	257	238	205	161	154	199	.223	
1975	3.48	1,052.0	157	152	150	163	233	252	253	258	241	184	164	164	198	.222	
1976	3.45	1,050.0	173	165	179	198	255	273	267	236	232	199	182	176	211	.236	
1977	3.38	1,050.0	159	134	122	126	118	135	140	142	130	123	111	105	129	.144	
1978	3.33	1,041.6	109	116	121	120	172	196	204	206	183	168	138	128	155	.174	
1979	3.29	1,044.0	125	131	130	144	181	220	220	222	219	164	139	141	170	.190	
1980	3.24	1,043.0	140	141	150	166	189	220	226	226	206	188	164	145	180	.202	
AVERAGE	3.29	1,042.9	125	129	134	143	181	212	217	218	203	173	147	138	168	.188	

1/ gpcd - GALLONS PER CAPITA PER DAY
 2/ afpc - ACRE-Feet PER CAPITA ANNUALLY
 3/ In thousands

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY BUTTE

CITY CHICO

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 19,5801980 26,601

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: ☐

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	10,382		153	143	234	398	617	641	881	793	572	332	165	156	5,085
1971	10,646		155	171	226	333	414	658	903	854	590	326	203	164	4,997
1972	10,870		170	170	296	370	610	769	933	844	540	279	177	197	5,355
1973	11,022		186	160	181	390	666	797	886	754	517	265	174	168	5,144
1974	11,205		164	163	187	255	577	724	759	757	595	389	188	180	4,938
1975	11,340		181	170	196	271	632	760	603	710	598	286	207	191	5,005
1976	11,502		203	202	301	370	664	732	822	584	499	412	254	228	5,271
1977	12,123		201	204	247	390	331	645	722	665	447	333	220	188	4,593
1978	12,405		187	181	210	221	520	676	831	788	425	451	268	224	4,982
1979	12,888		210	196	233	283	573	813	854	715	569	350	222	223	5,241
1980	13,329		206	206	266	378	533	587	832	770	564	417	297	234	5,290

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpc ^{2/}
1970	3.75	38,933	127	131	194	341	511	549	730	657	490	275	141	129	358	.401
1971	3.74	39,812	126	153	183	279	335	551	732	692	494	264	170	133	344	.385
1972	3.73	40,536	135	145	236	304	485	632	742	672	444	222	146	157	361	.404
1973	3.72	40,988	146	139	142	317	524	648	697	593	420	209	142	132	344	.385
1974	3.71	41,552	127	140	145	205	448	581	589	588	477	302	151	140	326	.365
1975	3.70	41,934	139	145	151	215	486	604	618	546	475	220	165	147	327	.366
1976	3.84	44,277	148	157	219	279	484	551	599	425	376	300	191	166	325	.364
1977	3.88	46,986	138	155	170	277	227	458	496	457	317	229	156	129	268	.300
1978	3.85	47,791	126	135	142	154	351	471	561	532	296	304	187	151	286	.320
1979	3.85	49,573	137	141	152	190	373	547	556	465	383	228	149	145	290	.325
1980	3.89	51,910	128	137	165	243	331	377	517	478	362	259	191	145	278	.311
AVERAGE	3.86	49,758	130	138	153	196	352	465	545	492	347	264	176	147	285	.319

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpc - ACRE-FEET PER CAPITA ANNUALLYMETERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY BUTTE

CITY GRIDLEY

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER GRIDLEY

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 3,5341980 3,982

SYSTEM SERVED:

ALL ACCOUNTS IN CITY ☒ 3/ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	1,502	1,488	17.2	16.9	20.4	28.0	34.2	53.2	64.5	61.2	44.1	28.5	20.0	16.2	404.4
1972	1,530	1,488	17.0	19.2	30.5	35.3	48.6	58.3	63.6	62.7	38.7	24.3	16.5	21.6	436.3
1973	1,530	1,530	20.0	17.4	19.1	33.7	54.3	61.4	67.1	57.5	39.1	25.3	17.2	16.3	428.4
1974	1,539	1,530	16.5	15.4	18.8	25.7	51.6	63.8	61.6	61.4	49.8	34.5	17.0	17.0	433.1
1975	1,552	1,550	17.4	15.5	17.6	24.5	54.6	64.2	66.1	58.9	48.0	25.3	17.3	17.6	427.0
1976	1,583	1,581	17.7	17.7	25.6	30.1	53.6	63.1	73.0	54.1	43.4	34.9	19.9	13.1	446.2
1977	1,586	1,584	16.7	16.1	20.8	34.2	28.5	53.5	59.3	54.0	38.7	21.7	19.4	15.0	377.9
1978	1,665	1,663	15.3	14.1	16.7	17.9	39.2	57.5	66.8	65.1	50.8 4/	41.2	20.4	18.6	423.6
1979	1,684	1,684	17.8	16.0	19.1	23.1	48.3	66.2	69.0	61.4	48.7	28.4	16.3	16.5	430.8
1980	1,884	1,884	20.3	16.2	21.6	32.2	44.7	56.5	56.9	61.8	65.8	28.3	20.2 4/	18.5 4/	443.0

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	apm ^{2/}
1970																
1971	2.37	3,560	156	170	185	262	310	498	584	555	413	258	187	147	311	.348
1972	2.36	3,611	152	183	272	326	434	538	568	560	357	217	152	193	330	.370
1973	2.36	3,611	179	172	171	311	485	567	599	514	361	226	159	146	325	.364
1974	2.35	3,617	147	152	168	237	460	588	549	548	459	308	157	152	328	.367
1975	2.34	3,632	155	152	156	225	485	589	587	523	441	225	159	156	322	.361
1976	2.30	3,641	157	168	227	276	475	578	647	479	397	309	182	116	335	.375
1977	2.26	3,584	150	160	187	318	257	498	534	486	360	195	180	135	289	.324
1978	2.21	3,680	134	137	146	162	344	521	586	571	460 4/	361	185	163	315	.353
1979	2.17	3,654	157	156	169	211	426	604	609	542	444	251	149	146	323	.362
1980	2.12	4,000	164	140	174	268	360	471	459	498	548	228	168 4/	149 4/	303	.339
AVERAGE	2.17	3,778	152	144	163	214	377	532	551	537	484	280	167	153	314	.352

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ apce - ACRE-FOOT PER CAPITA ANNUALLY

3/ Prior to 1979 there were outside connections

4/ Estimate

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY BUTTE

CITY CENSUS POPULATION

CITY PARADISE UNINCORPORATED1970 14,5391980 22,571HYDROLOGIC STUDY AREA SACRAMENTO

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER DistrictWATER SUPPLIER PARADISE IRRIGATION DISTRICTType IRRIGATION DISTRICT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	5,850		43.9	44.9	88.6	128.6	234.4	290.0	368.6	362.2	247.9	129.0	57.0	51.9	2,047.0
1971	6,139		39.5	61.6	73.9	105.2	145.0	267.2	364.3	419.1	259.2	91.9	95.3	55.8	1,978.0
1972	6,491		62.5	55.0	99.1	103.2	230.8	289.3	392.9	356.6	204.2	93.4	60.9	99.7	2,047.6
1973	6,771		74.3	58.4	64.9	149.1	297.2	359.2	448.5	407.7	197.5	96.5	73.4	72.3	2,299.0
1974	7,039		74.5	67.5	73.7	116.2	286.1	354.9	417.6	405.8	348.1	186.4	77.4	77.2	2,485.4
1975	7,217		79.7	68.0	73.9	92.7	270.4	425.3	426.3	349.3	344.8	112.8	77.2	83.2	2,403.6
1976	7,472		88.0	89.4	113.5	117.9	199.2	225.8	268.4	199.4	152.5	119.4	106.9	64.4	1,744.8
1977	7,835		51.9	42.3	39.3	40.9	33.9	77.4	62.7	66.1	43.6	32.0	30.2	27.9	548.2
1978	7,985		37.3	27.7	35.8	40.3	131.0	225.6	267.0	283.6	130.5	158.4	77.9	50.0	1,465.1
1979	8,155		56.3	45.9	53.3	79.9	181.9	306.6	330.1	273.3	191.2	134.4	63.1	65.2	1,781.2
1980	8,372		61.4	59.6	74.9	107.3	171.0	233.7	339.9	331.3	232.1	148.3	87.9	75.3	1,922.7

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970	2.52	14,750	96	109	194	291	513	655	806	792	560	282	129	114	380	.426
1971	2.54	15,620	82	141	153	224	299	570	752	866	553	190	203	115	347	.389
1972	2.57	16,660	121	114	192	206	447	579	761	690	409	181	122	193	336	.376
1973	2.59	17,540	137	119	119	283	547	683	825	750	375	177	139	133	359	.402
1974	2.61	18,400	131	131	129	211	502	643	732	711	631	327	140	135	370	.414
1975	2.64	19,030	135	128	125	162	458	745	723	592	604	191	135	141	346	.388
1976	2.65	19,830	143	155	185	198	324	380	437	324	256	194	180	105	240	.269
1977	2.67	20,900	80	72	61	65	52	123	97	102	70	49	48	43	72	.081
1978	2.68	21,420	56	46	54	63	197	351	402	427	203	239	121	75	187	.209
1979	2.70	21,990	83	75	78	121	267	465	484	401	290	197	96	96	222	.249
1980	2.71	22,700	87	91	106	158	243	343	483	471	341	211	129	107	231	.259
AVERAGE 1978-1980	2.70	22,037	75	71	79	114	236	386	456	433	278	216	115	93	213	.239

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ afpcd - ACRE-Feet PER CAPITA ANNUALLYMETERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY COLUSA

CITY COLUSA

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER COLUSA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 3,8421980 4,075

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: ☐

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,503	1,423	24.0	19.4	24.8	30.1	47.8	58.2	69.8	80.2	65.7	46.4	25.3	20.4	512.1
1971	1,608		23.0	19.7	32.6	37.6	36.2	58.0	75.8	77.9	49.3	43.6	26.2	20.7	501.4
1972	1,634		21.1	20.1	27.9	37.4	61.3	71.8	83.2	80.2	54.3	25.2	23.4	22.3	528.2
1973	1,675		18.6	18.4	20.3	34.5	63.7	74.4	82.2	79.0	48.6	30.3	21.4	20.1	511.5
1974	1,722		20.8	18.7	22.8	29.5	57.9	74.8	76.1	80.8	61.0	43.2	20.6	18.1	524.3
1975	1,780		19.8	17.9	21.1	21.2	45.5	66.4	70.1	70.5	54.6	30.0	21.7	22.3	461.1
1976	1,843		24.5	25.1	37.7	39.4	64.4	73.3	73.7	64.3	42.3	33.8	23.9	24.4	526.8
1977	1,880	1,725	16.4	22.3	22.3	32.1	25.7	52.5	59.9	54.4	37.8	29.0	19.6	18.1	390.1
1978			17.7	18.1	20.2	23.1	47.0	58.9	60.1	61.0	36.1	35.0	23.4	20.4	421.0
1979			19.0	16.9	19.7	23.6	44.9	62.3	64.4	61.5	52.0	32.9	21.2	21.5	439.9
1980	2,046	1,785	20.0	20.1	25.1	30.6	48.5	52.5	64.1	62.6	43.5	35.7	25.2	21.5	449.4

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970	2.70	4,270	181	162	187	235	361	454	527	606	513	351	198	154	329	.368
1971	2.66	4,270	174	165	246	294	273	459	573	589	385	329	205	156	322	.361
1972	2.62	4,270	159	162	211	292	463	560	629	606	424	190	183	168	338	.379
1973	2.57	4,310	139	152	152	267	477	575	615	591	376	227	166	150	325	.364
1974	2.53	4,360	154	153	169	226	428	572	563	590	466	320	157	134	329	.368
1975	2.49	4,430	144	144	154	160	331	500	510	513	411	218	163	162	285	.319
1976	2.45	4,510	175	192	270	291	461	542	527	460	313	242	177	175	319	.357
1977	2.41	4,520	117	176	159	237	183	387	427	388	279	207	145	129	236	.264
1978	2.36	4,570	125	141	143	168	332	430	424	431	263	247	171	144	252	.282
1979	2.32	4,620	133	131	138	170	314	449	450	429	375	230	153	150	261	.292
1980	2.28	4,670	138	148	173	218	335	375	442	432	310	247	180	149	263	.295
AVERAGE	2.32	4,620	132	140	151	185	327	418	439	431	316	241	168	148	259	.290

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY CONTRA COSTA

CITY ANTIOCH

HYDROLOGIC STUDY AREA SAN JOAQUIN

WATER SUPPLIER ANTIOCH

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 28,0601980 43,559

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	8,590		83	80	97	119	144	190	241	296	266	168	110	92	1,886
1972	8,900		93	91	147	157	211	228	302	327	248	153	99	103	2,159
1973	9,100		102	90	107	152	212	246	276	316	277	164	100	100	2,142
1974	9,600		103	99	117	136	234	265	295	337	301	213	119	107	2,326
1975	9,910	9,889	104	50	105	129	227	271	305	324	287	184	120	117	2,223
1976	11,027	11,004	126	109	140	177	254	263	279	295	278	168	130	134	2,353
1977	11,830	11,807	118	103	100	124	110	142	162	169	149	139	110	104	1,530
1978	12,510	12,487	98	90	105	108	194	221	250	242	196	184	129	124	1,941
1979	12,541	12,520	115	105	123	147	214	266	273	259	240	169	123	125	2,159
1980	13,037	13,016	120	116	137	168	229	255	277	280	240	204	166	140	2,332

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	acpc ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	3.39	29,120	92	98	107	136	160	217	267	320	304	186	126	102	177	.198
1972	3.38	30,082	100	104	158	174	226	253	324	351	275	164	110	110	196	.220
1973	3.38	30,758	107	105	112	165	222	267	289	331	300	172	108	105	191	.214
1974	3.37	32,352	103	109	117	140	233	273	294	336	310	212	123	107	197	.221
1975	3.37	33,298	101	54	102	129	220	271	295	314	287	178	120	113	183	.205
1976	3.37	37,051	110	101	122	159	221	237	243	257	250	146	117	117	174	.195
1977	3.37	39,867	95	92	81	104	89	119	131	137	125	112	92	84	105	.118
1978	3.37	42,159	75	76	80	85	148	175	191	185	155	141	102	95	126	.141
1979	3.37	42,263	88	89	94	116	163	210	208	198	189	129	97	95	140	.157
1980	3.37	43,935	88	91	101	127	168	193	203	206	182	150	126	103	145	.162
AVERAGE 1978-1980	3.37	42,786	84	85	92	109	160	193	201	196	175	140	108	98	137	.153

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} acpc - ACRE-FEET PER CAPITA ANNUALLYMETERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY CONTRA COSTA

CITY BRENTWOOD

HYDROLOGIC STUDY AREA SAN JOAQUIN

WATER SUPPLIER BRENTWOOD

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 2,6491980 4,434

SYSTEM SERVES:

ALL ACCOUNTS IN CITY 3/ ☒ALL ACCOUNTS IN CITY+ OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	726	704	7.4	6.6	9.9	14.3	19.0	19.9	25.0	22.4	19.5	13.8	9.0	7.6	174.4
1971	768	746	8.3	7.1	10.3	13.4	13.1	20.3	23.8	23.3	19.0	15.0	9.6	8.1	171.3
1972	809	787	8.6	8.4	14.4	14.8	19.7	24.9	24.8	28.1	19.2	12.8	8.9	9.5	194.1
1973	849	827	9.1	8.3	9.3	15.1	23.3	27.0	28.8	27.5	22.2	14.3	10.8	9.8	205.5
1974	933	911	9.8	6.8	12.7	14.9	13.7	27.0	26.0	26.0	25.4	19.6	11.2	11.1	204.2
1975	972	950	11.0	10.3	12.6	16.7	24.6	30.4	29.8	25.9	24.8	16.8	13.0	13.3	229.2
1976	987	965	14.2	12.9	17.5	19.4	25.8	24.8	34.6	27.0	26.3	22.1	17.2	15.6	257.4
1977	1,001	964	13.8	12.8	14.6	18.9	16.9	27.9	30.6	28.9	21.8	20.4	15.2	12.1	233.9
1978	1,008	971	12.3	11.8	13.9	14.9	28.4	31.8	35.2	35.3	25.2	22.1	15.1	12.8	258.8
1979	1,169	1,169	12.6	9.9	13.0	14.9	25.8	24.7	33.7	28.7	27.8	20.1	14.8	15.0	241.0
1980	1,189	1,189	14.6	13.1	15.6	20.1	27.9	31.7	34.3	34.1	28.1	23.7	18.6	15.1	276.9

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	3.76	2,730	87	86	117	175	225	243	295	265	238	163	110	90	175	.196
1971	3.78	2,903	92	87	114	154	146	233	264	259	218	167	110	90	162	.181
1972	3.80	3,074	90	94	151	160	207	270	260	295	208	134	97	100	173	.194
1973	3.82	3,243	91	91	93	155	232	278	286	274	228	142	111	97	174	.195
1974	3.84	3,583	88	68	114	139	123	251	234	234	236	176	104	100	156	.175
1975	3.85	3,742	95	98	109	149	212	271	257	223	221	145	116	115	168	.188
1976	3.83	3,780	121	118	149	171	220	219	295	230	232	189	152	133	186	.208
1977	3.81	3,814	117	120	123	165	143	244	259	244	191	173	133	102	168	.188
1978	3.80	3,830	104	110	117	130	239	277	296	297	219	186	131	108	185	.207
1979	3.78	4,419	92	80	95	112	188	186	246	210	210	147	112	109	149	.167
1980	3.76	4,465	105	101	113	150	202	237	248	246	210	171	139	109	169	.189
AVERAGE	3.78	4,238	100	97	108	131	210	233	263	251	213	168	127	109	168	.188

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY^{3/} Prior to 1979, there were outside connections

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY CONTRA COSTA

CITY CONCORD, PORTION OF WALNUT CREEK, PLEASANT HILL

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER CONTRA COSTA COUNTY WATER DISTRICT^{3/}

Type COUNTY WATER DISTRICT

CITY CENSUS POPULATION

1970 _____

1980 _____

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER Several incorporated and unincorporated areas.

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	32,971		342	320	447	608	810	793	931	869	777	551	379	375	7,202
1971	33,639		386	371	442	500	690	900	995	960	796	592	442	385	7,459
1972	34,534		383	376	546	584	873	959	1,077	1,034	771	483	388	375	7,849
1973	35,146		385	346	392	637	932	1,045	1,101	985	779	534	369	346	7,851
1974	36,144		357	328	426	526	925	1,096	1,147	1,139	944	759	478	440	8,565
1975	37,411		435	390	435	492	973	1,095	1,129	1,120	939	607	481	489	8,585
1976	38,596		536	445	610	735	1,092	1,184	1,265	994	946	690	534	589	9,620
1977	40,436		497	388	398	458	482	550	643	599	488	486	386	344	5,719
1978	41,963		304	294	351	374	752	900	1,015	1,031	860	783	516	460	7,640
1979	44,777		429	408	452	566	860	1,141	1,200	1,122	1,031	731	504	454	8,898
1980	45,832		461	455	536	679	882	1,074	1,157	1,152	959	873	691	576	9,495

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	atpcd ^{2/}
1970	3.90	128,587	86	89	112	158	203	206	234	218	201	138	98	94	153	.171
1971	3.86	129,847	96	102	110	128	171	231	247	238	204	147	113	96	157	.176
1972	3.82	131,920	94	98	134	148	213	242	263	253	195	118	98	92	163	.183
1973	3.77	132,500	94	93	95	160	227	263	268	240	196	130	95	84	162	.181
1974	3.73	134,817	85	87	102	130	221	271	274	273	233	182	118	105	174	.195
1975	3.69	138,047	102	101	102	119	227	264	264	262	227	142	116	114	170	.190
1976	3.65	140,875	123	109	140	174	250	280	290	228	224	158	126	135	187	.209
1977	3.60	145,570	110	95	88	105	107	126	142	133	112	108	88	76	108	.121
1978	3.56	149,388	66	70	76	83	162	201	219	223	192	169	115	99	140	.157
1979	3.52	157,615	88	92	93	120	176	241	246	230	218	150	107	93	155	.174
1980	3.48	159,305	93	98	109	142	179	225	234	233	201	177	145	117	163	.183
AVERAGE 1978-1980	3.52	155,436	82	87	93	115	172	222	233	229	204	165	122	103	153	.171

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} atpcd - ACRE-Feet PER CAPITA ANNUALLY^{3/} Treated Water DivisionMETERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY CONTRA COSTA

CITY CENSUS POPULATION

CITY PITTSBURG1970 21,4231980 33,034HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER PITTSBURG

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

Type MUNICIPAL WATER DEPARTMENT

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	7,083	7,061	72	76	76	88	116	149	171	162	139	114	96	82	1,341
1972	7,242	7,220	82	70	96	116	154	171	178	176	142	101	82	90	1,458
1973	7,280	7,266	84	73	79	109	166	178	189	180	153	119	89	86	1,505
1974	8,050	8,036	84	79	87	91	150	185	191	192	166	136	99	100	1,560
1975	8,574	8,560	98	85	95	108	171	190	200	199	184	138	114	114	1,696
1976	9,024	9,010	123	111	136	158	218	221	234	186	194	162	133	137	2,013
1977	9,332	9,318	122	101	110	110	97	123	126	112	121	127	104	77	1,330
1978	10,062	10,048	72	63	62	79	143	178	203	203	154	149	104	100	1,510
1979	10,137	10,119	110	103	111	122	170	220	248	244	230	160	128	139	1,985
1980	10,547	10,529	126	107	117	142	191	215	230	245	212	193	156	122	2,056

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
1970																
1971	3.26	23,091	101	118	106	127	162	215	239	226	201	159	139	115	159	.178
1972	3.15	22,812	116	106	136	170	218	250	252	249	207	143	120	127	175	.196
1973	3.05	22,204	122	117	115	164	241	267	275	262	230	173	134	125	186	.208
1974	2.95	23,748	114	119	118	128	204	260	259	261	233	185	139	136	180	.202
1975	2.84	24,350	130	125	126	148	227	260	265	264	252	183	156	151	191	.214
1976	2.91	26,260	151	146	167	201	268	281	287	228	246	199	169	168	209	.234
1977	2.97	27,716	142	130	128	132	113	148	147	130	146	148	125	90	131	.147
1978	3.04	30,588	76	74	65	86	151	194	214	214	168	157	113	105	135	.151
1979	3.10	31,425	113	117	114	129	175	233	255	250	241	164	136	143	173	.194
1980	3.17	33,434	122	110	113	142	184	214	222	236	211	186	156	118	168	.188
AVERAGE 1978-1980	3.10	31,816	104	100	97	119	170	214	230	233	207	169	135	122	159	.178

^{1/} gpcd - GALLONS PER CAPITA PER DAY
^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY DEL NORTE

CITY CENSUS POPULATION

1970 2,5861980 3,099CITY CRESCENT CITYHYDROLOGIC STUDY AREA NORTH COAST

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER CRESCENT CITY

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

Type MUNICIPAL WATER DEPARTMENT

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,369	635	21.6	16.4	15.1	18.2	20.3	21.7	28.0	26.9	23.3	15.4	9.7	19.4	236.0
1971	1,410	631	20.8	20.1	21.5	22.2	23.9	29.4	37.4	40.4	31.9	23.3	21.9	23.1	315.9
1972	1,472	647	23.9	21.4	27.8	22.8	27.3	34.8	41.3	44.3	32.0	28.8	22.5	26.4	353.3
1973	1,597	689	25.3	20.0	23.1	26.5	31.4	37.6	41.9	33.4	29.9	22.9	20.6	21.1	333.7
1974	1,615	685	19.1	12.2	24.4	26.6	34.7	43.0	43.8	46.0	36.7	35.7	24.6	25.4	372.2
1975	1,619	695	24.7	21.7	23.7	24.1	30.1	42.4	49.7	44.8	35.2	28.0	21.6	25.6	371.6
1976	1,737	705	19.6	25.5	29.1	28.2	34.6	42.1	42.7	37.8	30.9	28.5	20.9	22.6	362.5
1977	1,864	759	24.4	23.9	30.9	30.8	35.0	45.1	52.3	48.8	38.6	49.1	28.9	33.4	441.2
1978	2,018	789	34.3	28.9	32.5	32.1	37.5	46.8	55.7	50.3	38.2	36.8	38.0	29.8	452.9
1979	2,184	808	31.2	27.4	31.5	33.8	39.9	54.1	53.9	56.2	36.9	38.3	32.8	32.8	468.8
1980	2,266	830	32.4	28.5	29.5	33.5	37.6	44.8	53.9	55.6	44.6	37.8	31.0	34.2	463.4

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	mpca ^{2/}
1970	4.07	5,570	125	105	87	109	118	130	162	156	139	89	58	112	116	.130
1971	4.04	5,690	118	126	122	130	135	172	212	229	187	132	128	131	152	.170
1972	4.01	5,900	131	125	152	129	149	197	226	242	181	157	127	144	164	.184
1973	3.97	6,350	129	112	117	139	159	197	213	170	157	116	108	107	144	.161
1974	3.94	6,360	97	68	124	139	176	225	222	233	192	181	129	129	160	.179
1975	3.91	6,330	126	122	121	127	153	223	253	228	185	143	114	130	161	.180
1976	3.87	6,730	94	131	139	140	166	209	205	181	153	136	103	108	147	.165
1977	3.84	7,160	110	119	139	143	158	210	236	220	180	221	135	150	169	.189
1978	3.81	7,680	144	134	137	139	157	203	234	211	166	155	130	125	162	.181
1979	3.77	8,240	122	119	123	137	156	218	211	220	149	150	133	128	156	.175
1980	3.74	8,480	123	116	112	132	143	176	205	211	175	144	122	130	149	.167
AVERAGE	3.77	8,133	130	123	124	136	152	199	217	214	163	150	128	128	156	.175

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ a/cpa - ACRE-Feet PER CAPITA ANNUALLYMETERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES:

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY EL DORADO

CITY CENSUS POPULATION

1970 5,416CITY PLACERVILLE1980 6,739HYDROLOGIC STUDY AREA SACRAMENTO

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☒OTHER ☐WATER SUPPLIER PLACERVILLE

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

El Dorado I.D.

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	1,865		23	20	22	24	26	45	61	62	49	32	24	23	411
1972	1,875		23	21	22	24	40	51	62	59	43	25	22	26	418
1973	1,885		23	21	22	23	40	51	62	58	38	31	31	30	430
1974	1,932		NA	NA	19	21	37	51	48	56	46	35	20	20	
1975	1,959		20	18	20	20	33	49	55	49	44	28	18	19	373
1976	2,055		20	19	21	24	45	48	54	40	36	31	23	20	381
1977	1,960		18	13	12	12	12	17	20	20	16	14	12	11	177
1978	1,965		13	12	14	14	20	28	40	42	24	28	18	19	272
1979	2,001	1,999	21	17	19	19	30	44	47	46	39	24	19	20	345
1980	2,024	2,022	20	19	19	20	28	37	43	46	35	28	21	19	335

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	2.82	5,259	141	136	135	152	159	285	374	380	311	196	152	141	214	.240
1972	2.83	5,306	140	136	134	151	243	320	377	359	270	152	138	158	215	.241
1973	2.84	5,353	139	140	133	143	241	318	374	350	237	187	193	181	220	.246
1974	2.85	5,506	NA	NA	111	127	217	309	281	328	278	205	121	117		
1975	2.86	5,603	115	115	115	119	190	292	317	282	262	161	107	109	182	.254
1976	2.94	6,042	107	108	112	132	240	265	288	214	199	166	127	107	172	.193
1977	3.02	5,919	98	78	65	68	65	96	109	109	90	76	68	60	82	.092
1978	3.11	6,111	69	70	74	76	106	153	211	222	131	148	98	100	122	.137
1979	3.19	6,383	106	95	96	99	152	230	238	232	204	121	99	101	148	.166
1980	3.27	6,618	97	99	93	101	136	186	210	224	176	136	106	93	138	.155
AVERAGE 1978-1980	3.19	6,371	91	88	88	92	131	190	220	226	170	135	101	98	136	.152

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY FRESNO

CITY CLOVIS

HYDROLOGIC STUDY AREA TULARE LAKE

WATER SUPPLIER CLOVIS

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 13,8561980 33,425

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	3,850		41	39	60	89	137	145	172	159	122	85	55	44	1,148
1971	4,205		45	46	70	94	94	150	198	172	132	97	62	44	1,204
1972	4,325		52	57	96	118	163	173	214	211	135	89	60	59	1,427
1973	4,776		54	52	61	102	176	208	214	195	140	86	72	42	1,402
1974	5,200		67	64	71	92	160	221	224	211	215	127	82	70	1,604
1975	5,510		71	72	71	99	184	233	214	209	173	125	100	78	1,629
1976	5,961		92	96	103	130	203	231	268	225	199	117	102	97	1,863
1977	6,525		81	88	88	131	120	181	226	213	200	152	117	80	1,677
1978	7,046		82	82	82	94	167	264	280	277	296	192	139	99	2,054
1979	7,734		101	117	97	159	239	314	315	327	280	221	136	101	2,407
1980	8,249		82	99	109	185	236	314	378	326	288	250	155	116	2,538

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	3,599	13,900	95	100	139	213	318	348	399	369	293	197	132	102	226	.253
1971	3,644	15,300	95	107	148	205	198	327	417	363	288	205	135	93	216	.242
1972	3,690	16,000	105	123	194	246	329	360	431	425	281	179	125	119	244	.273
1973	3,735	17,800	98	104	111	191	319	390	388	354	262	156	135	76	216	.242
1974	3,780	19,700	110	116	116	156	262	374	367	346	364	208	139	115	223	.250
1975	3,826	21,100	109	122	109	156	281	368	327	320	273	191	158	119	212	.237
1976	3,871	23,100	128	143	144	188	283	333	374	314	287	163	147	135	220	.246
1977	3,916	25,600	102	123	111	171	151	236	285	268	260	192	152	101	179	.200
1978	3,961	27,900	95	105	95	112	193	315	324	320	354	222	166	114	202	.226
1979	4,007	31,000	105	135	101	171	249	338	328	340	301	230	146	105	213	.239
1980	4,052	33,400	79	102	105	185	228	313	365	315	287	241	155	112	208	.233
AVERAGE 1978-1980	4,007	30,767	93	114	100	156	223	322	339	325	314	231	156	110	208	.233

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY FRESNO

CITY COALINGA

HYDROLOGIC STUDY AREA TULARE LAKE

WATER SUPPLIER COALINGA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 6,1611980 6,675

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS ^{1/}		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	2,346	2,346													
1971															
1972					3/	103	128	131	157	143	90	52	32	36	
1973	2,201		30	24	27	60	113	138	153	143	99	55	32	24	898
1974	2,322		23	28	31	50	93	134	145	154	118	57	29	23	885
1975	2,410		30	26	28	49	90	137	140	147	115	75	39	31	907
1976	2,533		37	36	40	50	99	123	144	129	101	54	40	32	885
1977	2,604		24	30	24	33	29	47	83	85	71	54	29	22	531
1978	2,660		23	26	26	35	61	109	120	129	74	73	41	28	745
1979	2,712		26	21	18	41	74	117	113	115	92	76	39	33	765
1980	2,744	2,729	30	28	26	65	79	117	126	141	101	82	51	43	889

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	2,649	6,200														
1971	2,629															
1972	2,608															
1973	2,588	5,700	170	150	153	351	640	807	866	809	579	311	187	136	432	.484
1974	2,568	6,000	124	167	167	278	500	744	780	828	656	306	161	124	404	.452
1975	2,548	6,100	159	152	148	268	476	749	740	777	628	397	213	164	407	.456
1976	2,527	6,400	186	194	202	260	499	641	726	650	526	272	208	161	378	.423
1977	2,507	6,500	119	165	119	169	144	241	412	422	364	268	149	109	224	.251
1978	2,487	6,600	112	141	127	177	298	551	587	630	374	357	207	137	309	.346
1979	2,466	6,700	125	112	87	204	356	582	544	554	458	366	194	159	313	.351
1980	2,446	6,700	144	144	125	323	380	582	607	679	502	395	254	207	363	.407
AVERAGE 1978-1980	2,446	6,667	127	132	113	235	345	572	579	621	445	373	218	168	328	.367

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpc - ACRE-Feet PER CAPITA ANNUALLY^{3/} Beginning of new water treatment plant recordsMETERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY FRESNO

CITY FRESNO

HYDROLOGIC STUDY AREA TULARE LAKE

WATER SUPPLIER FRESNO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 165,655

1980 223,400

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: ☐

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	52,043	47,485	775	751	1,068	1,581	2,635	2,867	3,462	3,206	2,417	1,620	993	802	22,177
1971	53,582		773	763	1,223	1,508	1,661	2,786	3,391	3,256	2,447	1,740	1,086	823	21,457
1972	54,377		813	952	1,617	1,921	2,697	2,881	3,437	3,204	2,175	1,487	935	888	23,007
1973	55,172		833	748	907	1,590	2,698	3,111	3,417	3,120	2,320	1,384	943	770	21,841
1974	55,608		781	846	997	1,361	2,520	3,055	3,471	3,207	2,630	1,426	957	824	22,075
1975	56,566		776	830	750	1,370	2,609	3,134	3,417	2,944	2,485	1,607	1,067	1,020	22,009
1976	57,369		1,029	895	1,236	1,497	2,751	2,862	3,315	2,723	2,041	1,535	1,146	1,008	22,038
1977	58,897		843	866	989	1,438	1,388	2,234	2,597	2,384	1,919	1,497	1,012	941	18,108
1978	60,100		743	744	927	877	2,061	2,735	3,135	3,065	1,895	1,852	1,182	886	20,102
1979	60,978		907	818	856	1,562	2,623	3,208	3,308	3,090	2,662	1,729	1,076	1,099	22,938
1980	63,120	59,812	946	899	1,111	1,738	2,414	2,903	3,460	3,226	2,557	2,080	1,446	1,112	23,893

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	apca 2/
1970	3,416	177,800	141	151	194	296	478	537	628	582	453	294	186	146	342	.383
1971	3,448	184,800	135	147	213	272	290	503	592	568	441	304	196	144	318	.356
1972	3,480	189,200	139	174	276	338	460	508	586	546	383	254	165	151	332	.372
1973	3,512	193,800	139	138	151	273	449	535	569	519	399	230	162	128	309	.346
1974	3,544	197,100	128	153	163	230	412	517	568	525	445	233	162	135	307	.344
1975	3,576	202,300	124	147	120	226	416	516	545	469	409	256	176	163	298	.334
1976	3,608	207,000	160	149	193	241	429	461	517	424	329	239	185	157	291	.326
1977	3,640	214,400	127	144	149	224	209	347	391	359	298	225	157	142	231	.259
1978	3,672	220,700	109	120	135	132	301	413	458	448	286	271	179	129	250	.280
1979	3,704	225,900	130	129	122	230	375	473	472	441	393	247	159	157	278	.311
1980	3,735	235,800	129	131	152	246	330	410	473	441	361	285	204	152	277	.310
AVERAGE	3,704	227,467	123	127	136	203	335	432	468	443	347	268	181	146	268	.300

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ apca - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY FRESNO

CITY HURON

HYDROLOGIC STUDY AREA TULARE LAKE

WATER SUPPLIER HURON

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 1,525

1980 2,765

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	425		6	4	6	7	8	8	25	21	17	14	10	8	134
1971	425		10	8	13	15	15	19	23	22	16	13	10	8	172
1972	425		8	8	12	14	21	21	24	21	17	12	10	8	176
1973	425		9	10	11	15	20	21	27	28	23	18	15	9	206
1974	429		8	8	11	15	22	23	29	16	19	16	9	8	184
1975	429		9	8	10	10	17	25	27	24	20	15	11	9	185
1976	429		8	8	10	12	20	20	26	25	19	18	14	8	188
1977	429		6	7	7	10	10	13	18	18	16	16	14	6	141
1978	429		7	7	9	11	15	19	32	26	16	18	12	9	181
1979	436		8	8	11	17	22	29	34	29	25	19	14	11	227
1980	550 ^{3/}		10	10	13	21	22	29	33	29	26	21	15	12	241

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcu ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	3,529	1,500	129	95	129	156	172	178	537	452	378	301	222	172	245	.274
1971	3,765	1,600	202	179	262	313	302	396	464	444	333	262	208	161	295	.330
1972	4,235	1,800	143	153	215	259	376	389	430	376	315	215	185	143	267	.299
1973	4,706	2,000	145	179	177	250	323	350	435	452	383	290	250	145	282	.316
1974	4,895	2,100	123	136	169	242	338	371	445	246	306	246	145	123	240	.269
1975	5,361	2,300	126	124	140	145	238	362	379	337	290	210	159	126	220	.246
1976	5,594	2,400	108	115	134	167	269	278	349	336	264	242	194	108	214	.240
1977	5,828	2,500	77	100	90	133	129	173	232	232	213	206	187	77	155	.174
1978	5,828	2,500	90	100	116	147	194	253	413	335	213	232	160	116	198	.222
1979	5,963	2,600	99	110	136	218	273	372	422	360	321	236	179	136	239	.268
1980	5,091	2,800	115	123	150	250	253	345	380	334	310	242	179	138	235	.263
AVERAGE 1970-1980	5,627	2,633	101	111	134	205	240	323	405	343	283	237	173	130	224	.251

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcu - ACRE-FEET PER CAPITA ANNUALLY

^{3/} New low cost duplex housing project in 1980 by Federal Government.

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY FRESNO

CITY SANGER

HYDROLOGIC STUDY AREA TULARE LAKE

WATER SUPPLIER SANGER

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 10,088

1980 12,700

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ Y

ALL ACCOUNTS IN CITY+ OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	2,851		54	49	90	91	127	164	154	195	139	92	69	65	1,289
1971	2,887		41	47	92	85	86	147	146	167	124	92	79	49	1,155
1972	2,959		57	57	73	76	113	156	201	158	108	102	60	42	1,203
1973	3,074		53	48	54	92	130	142	170	174	125	107	67	58	1,220
1974	3,100		43	48	61	85	137	176	164	184	165	88	69	72	1,292
1975	3,126		48	44	70	164	190	116	175	146	164	82	69	53	1,321
1976	3,154		52	49	93	102	168	156	133	186	125	82	112	60	1,318
1977	3,219		55	57	79	113	122	149	123	170	112	106	107	67	1,260
1978	3,260		53	67	82	68	143	146	158	173	115	147	89	49	1,290
1979	3,324		60	40	89	103	171	134	229	157	144	138	91	96	1,452
1980	3,465		65	68	114	113	120	151	170	134	146	94	93	55	1,323

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcu ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	3,538	10,100	172	173	287	300	406	541	492	623	459	291	228	208	350	.392
1971	3,551	10,300	128	163	288	275	269	476	457	523	401	288	256	153	307	.344
1972	3,563	10,500	175	187	224	241	347	495	618	485	343	313	190	129	313	.351
1973	3,576	11,000	155	156	158	279	381	430	499	510	379	314	203	170	304	.340
1974	3,589	11,100	125	154	177	255	398	529	477	535	495	256	207	209	319	.357
1975	3,602	11,300	137	139	200	484	542	342	500	417	484	234	204	151	320	.358
1976	3,614	11,400	147	148	263	298	475	456	376	526	365	232	327	170	316	.354
1977	3,627	11,700	152	174	218	322	336	425	339	469	319	292	305	185	295	.330
1978	3,640	11,900	144	201	222	190	388	409	428	469	322	398	249	133	297	.333
1979	3,652	12,100	160	118	237	284	456	369	611	419	397	368	251	256	329	.368
1980	3,665	12,700	165	185	290	297	305	396	432	340	383	239	244	140	285	.319
AVERAGE 1978-1980	3,652	12,233	156	160	250	257	383	391	490	409	367	335	248	176	304	.341

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcu - ACRE-FEET PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY FRESNO

CITY SELMA

HYDROLOGIC STUDY AREA TULARE LAKE

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type PRIVATE COMPANY

CITY CENSUS POPULATION

1970 7,459

1980 11,000

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☒

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	2,591		37	36	59	88	132	143	177	163	120	80	47	36	1,118
1971	2,643		38	40	68	84	91	147	176	167	122	81	50	39	1,103
1972	2,712		39	45	91	102	142	155	174	163	109	69	40	41	1,170
1973	2,740		40	34	39	86	144	167	181	164	113	66	45	40	1,119
1974	2,840		39	42	52	84	144	166	180	166	131	76	49	43	1,172
1975	2,898		45	42	51	77	146	166	181	160	130	79	53	47	1,177
1976	2,976		58	47	74	86	140	153	179	142	105	72	54	51	1,161
1977	3,093		43	45	51	81	73	120	141	130	103	77	49	42	955
1978	3,148		39	35	45	47	119	150	171	163	95	96	56	50	1,066
1979	3,231		44	40	50	96	151	177	187	168	130	92	50	50	1,243
1980	3,324		42	42	57	99	133	165	190	177	132	101	66	50	1,254

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	3,281	8,500	140	151	224	345	501	561	672	619	471	304	184	137	360	.403
1971	3,314	8,800	139	162	249	318	334	557	645	612	462	297	189	143	343	.384
1972	3,347	9,100	138	171	323	374	503	568	617	578	399	245	147	145	351	.393
1973	3,380	9,300	139	131	135	308	499	599	628	569	405	229	161	139	330	.370
1974	3,413	9,700	130	155	173	289	479	570	599	552	450	253	168	143	331	.371
1975	3,446	10,000	145	150	165	257	471	553	584	516	433	255	177	152	322	.361
1976	3,478	10,400	180	156	230	276	434	490	555	440	337	223	173	158	305	.342
1977	3,511	10,900	127	147	151	248	216	367	417	385	315	228	150	124	240	.269
1978	3,544	11,200	112	112	130	140	343	446	493	469	283	276	167	144	261	.292
1979	3,577	11,600	122	123	139	276	420	509	520	467	397	256	144	139	294	.329
1980	3,610	12,000	113	121	153	275	358	458	511	476	367	272	183	134	286	.320
AVERAGE 1978-1980	3,577	11,600	116	119	141	230	374	471	508	471	349	268	165	139	280	.314

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY GLENN
 CITY HAMILTON CITY
 HYDROLOGIC STUDY AREA SACRAMENTO
 WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY
 Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION
 1970 896
 1980 Part of Chico System
 SYSTEM SERVES:
 ALL ACCOUNTS IN CITY ☒
 ALL ACCOUNTS IN CITY + OUTSIDE ☐
 PARTLY IN CITY ONLY ☐
 OTHER
 OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	289		2.5	2.2	3.7	8.2	12.0	12.6	16.4	15.0	11.2	7.0	3.4	2.9	97.1
1971	306		3.0	3.3	5.7	7.9	9.2	14.0	18.2	17.7	12.9	7.5	5.0	3.6	108.0
1972	330		3.4	3.3	6.2	8.2	14.1	16.9	20.0	18.3	12.1	6.1	3.9	4.6	117.1
1973	344		3.8	3.5	3.9	8.9	15.8	18.8	20.2	18.4	12.6	6.3	4.5	4.1	120.8
1974	355		4.2	4.0	4.7	7.1	15.6	18.0	16.2	18.0	14.2	9.8	4.3	4.0	120.1
1975	367		3.9	3.6	4.2	7.3	16.2	18.3	17.6	16.2	14.3	6.8	5.0	4.7	118.1
1976	392		5.4	5.4	7.8	9.6	17.3	18.9	20.1	14.5	11.7	9.2	6.9	5.7	132.5
1977															
1978															
1979															
1980															

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	3.1	896	89	88	132	305	432	468	589	542	418	252	125	106	297	.333
1971	3.5	1,070	90	110	172	246	277	436	549	534	402	226	156	109	277	.310
1972	3.5	1,160	95	98	172	236	392	406	556	509	348	170	112	128	276	.309
1973	3.5	1,200	102	104	105	247	425	522	543	495	350	169	125	110	276	.309
1974	3.5	1,240	109	115	122	191	406	484	421	468	382	255	116	104	265	.297
1975	3.5	1,280	98	100	106	190	408	477	444	408	372	171	130	118	253	.283
1976	3.5	1,370	127	136	184	234	407	460	473	341	285	217	168	134	264	.296
1977		Incorporated with City of Chico														
1978																
1979																
1980																
AVERAGE 1976-1980																

^{1/} gpcd - GALLONS PER CAPITA PER DAY
^{2/} afpcd - ACRE-FeET PER CAPITA ANNUALLY

* METERED ☐ FLAT RATE ☐ COMBINATION ☒
 EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY GLENN

CITY WILLOWS

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 4,085

1980 4,777

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,699		18.9	15.9	23.3	39.2	57.1	62.8	81.4	73.3	55.8	34.9	20.1	19.0	501.7
1971	1,730		18.8	18.6	24.7	37.8	40.9	66.8	88.1	78.2	58.0	36.7	24.0	17.6	510.2
1972	1,761		17.1	16.6	33.2	40.2	58.3	77.4	86.2	78.4	50.7	28.9	17.8	17.4	522.2
1973	1,781		16.5	14.3	16.8	37.2	61.2	78.1	84.7	71.4	50.5	24.3	16.8	16.0	487.8
1974	1,824		15.8	15.4	18.7	26.5	60.1	75.3	74.5	75.6	60.4	39.9	18.6	17.1	497.9
1975	1,875		17.2	18.6	17.1	27.6	65.5	75.5	75.3	70.5	60.8	31.5	21.0	18.5	499.1
1976	1,929		20.2	22.0	34.5	41.4	69.9	75.5	86.1	62.7	54.9	40.5	26.8	25.5	560.0
1977	1,946		20.2	21.4	25.9	41.2	31.6	77.0	74.9	63.8	45.2	36.5	25.7	19.1	482.5
1978	1,973		17.4	15.9	20.7	23.4	61.4	69.2	82.6	76.3	51.9	46.4	26.4	21.1	512.7
1979	1,993		19.1	17.5	21.3	29.3	61.0	80.7	90.4	77.3	63.3	39.0	21.9	23.9	544.7
1980	2,008		20.9	19.6	26.0	41.1	56.9	58.1	83.0	75.0	61.4	48.6	33.5	22.1	546.2

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpc ^{2/}
1970	3.35	5,700	107	100	132	229	323	367	461	415	326	198	118	108	241	.270
1971	3.40	5,880	103	113	136	214	224	379	483	429	329	201	136	97	238	.267
1972	3.40	5,990	92	96	179	224	314	431	464	422	282	156	99	94	238	.267
1973	3.40	6,060	88	84	89	205	326	430	451	380	278	129	92	85	221	.248
1974	3.40	6,200	82	89	97	142	313	405	388	393	325	208	100	89	220	.246
1975	3.45	6,470	86	103	85	142	327	309	375	351	313	157	108	92	211	.236
1976	3.45	6,660	98	114	167	207	339	378	417	304	275	196	134	124	230	.258
1977	3.50	6,810	96	112	123	202	150	377	355	302	221	173	126	90	194	.217
1978	3.50	6,900	81	82	97	113	287	334	386	357	251	217	128	99	204	.228
1979	3.50	6,980	88	90	98	140	282	385	418	357	302	180	105	110	214	.240
1980	3.52	7,070	95	96	119	194	260	274	379	342	289	222	158	101	211	.236
AVERAGE 1978-1980	3.51	6,983	88	89	105	149	276	331	394	352	281	206	130	103	210	.235

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY HUMBOLDT

CITY ARCATA

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER ARCATA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 8,985

1980 12,300

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☐ ☒

PARTLY IN CITY ONLY ☐ ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			35.9	31.7	34.0	36.3	39.1	42.0	49.1	49.9	42.1	40.9	36.2	33.9	471.1
1971			36.5	33.7	33.3	36.0	38.5	38.0	42.1	50.7	43.6	41.6	39.0	36.0	469.0
1972			41.9	39.0	38.4	38.6	41.5	42.7	48.7	53.6	43.7	42.5	37.8	37.8	506.2
1973			39.4	31.0	32.6	35.9	44.1	47.4	55.7	48.3	40.3	40.7	36.4	33.8	485.6
1974			35.7	31.3	26.1	38.1	49.3	47.0	60.0	50.3	50.6	53.5	41.2	39.0	522.1
1975			43.4	33.1	26.9	44.8	47.3	54.6	50.7	51.4	50.8	48.8	42.1	46.0	539.9
1976			44.0	43.2	48.0	45.5	56.2	68.2	59.7	45.0	47.5	29.2	30.1	26.3	542.9
1977			49.9	47.5	40.9	45.8	46.4	44.9	46.3	49.5	40.5	46.4	45.9	43.4	547.4
1978			48.7	45.7	46.9	48.6	54.4	54.1	58.9	60.3	47.6	60.1	53.9	50.5	629.7
1979			57.9	53.6	57.6	55.7	61.2	66.1	68.8	70.0	60.6	61.6	54.7	50.3	718.1
1980			55.0	51.7	53.7	55.3	59.4	67.2	76.0	66.6	63.7	66.2	59.1	55.9	729.8

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	sqm ^{2/}
1970	4.10	11,330	102	100	97	107	111	124	140	142	124	116	107	97	114	.128
1971	4.07	11,730	100	103	92	102	106	108	116	139	124	114	111	99	110	.123
1972	4.05	11,970	113	112	103	107	112	119	131	144	122	115	105	102	116	.130
1973	4.02	12,320	103	90	85	97	115	128	146	126	109	107	98	89	108	.121
1974	4.00	12,310	94	91	68	103	129	127	157	132	137	140	112	102	116	.130
1975	3.97	12,730	110	93	68	117	120	143	128	130	133	124	110	117	116	.130
1976	3.94	13,210	107	113	117	115	137	172	146	110	120	71	76	64	112	.125
1977	3.92	13,870	116	122	95	110	108	108	108	115	97	108	110	101	108	.121
1978	3.89	13,950	113	117	108	116	126	129	136	139	114	139	129	117	124	.139
1979	3.87	14,270	131	134	130	130	138	154	156	158	142	139	128	114	138	.155
1980	3.85	14,170	125	126	122	130	135	158	173	152	150	151	139	127	141	.158
AVERAGE	3.87	14,130	123	126	120	125	133	147	155	150	135	143	132	119	134	.150

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} *lpcd - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY HUMBOLDT

CITY BLUE LAKE

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER BLUE LAKE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 1,1121980 1,210

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (\$) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	363	363													
1971	360	360													
1972															
1973	388	353													
1974	392	358													
1975	417	374				3.6	5.1	6.2	7.0	6.7	5.5	5.2	4.1	4.5	
1976	406	363	4.3	3.9	4.0	4.2	5.6	7.5	6.0	5.5	5.9	5.3	4.6	4.3	61.1
1977	417	370	4.7	3.3	3.7	3.6	3.7	4.6	3.6	4.3	3.5	3.8	3.6	4.3	46.7
1978	437	373	4.0	3.8	4.2	3.9	4.7	4.5	6.4	6.6	4.4	5.2	4.5	4.3	56.5
1979	530	465	4.4	3.7	4.3	4.2	4.8	6.4	7.1	6.7	5.4	4.5	4.4	4.9	60.8
1980	548	480	4.6	4.3	4.6	4.2	5.2	6.2	7.4	8.0	5.3	4.8	4.7	4.6	63.9

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	mpca 2/
1970	3.06	1,110														
1971	3.00	1,080														
1972		1,100														
1973	2.89	1,120														
1974	2.86	1,120														
1975	2.81	1,170				103	140	177	194	186	157	144	118	123		
1976	2.73	1,110	125	121	116	126	163	225	174	160	177	154	138	125	150 .168	
1977	2.69	1,120	135	105	107	107	107	137	104	124	104	109	107	124	114 .128	
1978	2.63	1,150	112	118	118	113	132	130	180	185	128	146	130	121	135 .151	
1979	2.58	1,370	104	96	101	102	113	156	167	158	131	106	107	115	122 .137	
1980	2.52	1,380	108	107	108	101	122	150	173	187	128	112	114	108	127 .142	
AVERAGE 1978-1980	2.58	1,300	108	107	109	105	122	145	173	177	129	121	117	115	125 .143	

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY HUMBOLDT

CITY EUREKA

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER EUREKA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 24,3371980 24,153

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: ☐

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS * 3/		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	8,375	8,342	89.9	84.7	91.1	96.5	123.2	130.8	139.8	129.4	111.8	94.4	79.8	83.8	1,255.2
1971	8,405	8,372	77.3	77.9	87.6	86.0	90.0	102.7	123.7	124.5	99.5	86.6	80.4	80.0	1,116.2
1972	8,491	8,453	80.1	70.8	79.9	75.5	92.7	113.1	133.8	131.9	100.0	87.9	83.2	91.3	1,140.2
1973	8,516	8,478	85.1	73.9	82.2	87.4	109.0	141.8	168.6	142.1	105.7	95.6	79.1	80.5	1,251.0
1974	8,540	8,500	85.5	76.9	84.3	86.3	114.2	130.7	147.8	135.6	108.6	99.1	77.7	75.5	1,222.2
1975	8,618	8,578	76.4	69.8	78.0	78.7	96.0	122.3	123.9	109.2	89.8	67.1	64.2	81.6	1,057.0
1976	8,594	8,547	94.3	96.3	108.4	105.3	128.1	133.7	126.4	95.2	89.9	79.0	60.0	64.8	1,181.4
1977	8,632	8,582	65.1	84.8	95.3	81.4	85.9	90.5	94.7	88.8	83.0	82.3	79.2	90.3	1,021.3
1978	8,631	8,578	66.3	85.2	99.5	96.4	111.8	125.6	134.4	114.2	76.0	89.2	77.3	68.8	1,144.7
1979	8,795	8,740	85.8	87.1	99.3	95.4	100.8	136.1	147.7	147.0	119.0	105.7	97.7	99.3	1,320.9
1980	8,835	8,777	98.8	89.9	94.0	99.2	107.7	118.9	153.1	143.9	139.8	120.6	102.1	106.0	1,374.0

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970	2.92	24,430	119	124	120	132	163	178	185	171	153	125	109	111	141	.158
1971	2.90	24,520	107	114	115	117	118	140	163	164	135	114	109	105	125	.140
1972	2.89	24,590	105	99	105	102	122	153	175	173	136	115	113	120	127	.142
1973	2.90	24,710	111	107	107	118	142	191	220	185	143	125	107	105	139	.156
1974	2.89	24,720	112	111	110	116	149	176	193	177	146	129	105	99	135	.151
1975	2.86	24,660	100	101	102	106	126	165	162	143	121	88	87	107	117	.131
1976	2.81	24,560	124	135	142	143	168	181	166	125	122	104	81	85	131	.147
1977	2.84	24,540	86	123	125	111	113	123	124	117	113	108	108	119	114	.128
1978	2.84	24,550	87	124	131	131	147	171	177	150	103	117	105	90	128	.143
1979	2.77	24,400	113	127	131	130	133	186	195	194	163	140	133	131	148	.166
1980	2.75	24,310	131	128	125	136	143	163	203	191	192	160	140	141	154	.172
AVERAGE 1970-1980	2.79	24,420	110	126	129	132	141	173	192	178	153	139	126	121	143	.160

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

3/ 1970-75 "number of accounts" taken from Controller's Report of Financial Transactions. 1976-80 "active services from city".

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY HUMBOLDT

CITY CITY OF EUREKA

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER HUMBOLDT COMMUNITY SERVICES DISTRICT

Type COMMUNITY SERVICES DISTRICT

CITY CENSUS POPULATION

1970

1980

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER Accounts in district

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971															
1972	3,227								48.3	50.5	43.5	36.4	33.5	41.8	
1973	3,284		38.2	33.4	35.8	36.1	45.4	50.3	56.7	52.2	43.2	39.5	41.0	43.4	515.2
1974	3,485		45.0	39.4	41.9	32.8	42.6	49.5	64.3	54.3	53.3	43.6	37.9	40.3	544.9
1975	3,462		36.5	35.2	42.3	42.3	45.4	62.4	60.7	53.3	56.8	46.7	42.4	49.1	573.1
1976	3,538		41.8	39.4	45.8	42.4	51.5	58.0	57.5	54.1	52.2	44.4	48.2	45.8	581.1
1977	3,781		40.8	38.6	41.2	40.6	42.0	44.2	45.2	44.5	41.1	41.2	40.9	43.7	504.0
1978	3,921		40.6	36.7	40.6	40.8	47.8	54.6	55.4	53.1	40.6	45.8	39.7	46.9	542.6
1979	3,961		42.2	36.5	41.9	41.0	42.3	54.3	60.2	58.4	50.3	43.1	41.2	41.1	552.5
1980	3,997		42.0	39.6	43.0	44.2	44.3	49.0	58.7	55.2	52.2	45.2	40.4	40.8	554.6

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	apca ^{2/}
1970																
1971																
1972		10,000							156	163	145	117	112	135		
1973	3.1	10,180	121	117	113	118	144	165	180	165	141	125	134	138	139	.156
1974	3.1	10,800	134	130	125	101	127	153	192	162	165	130	117	120	138	.155
1975	3.1	10,730	110	117	127	131	136	194	182	160	176	140	132	148	146	.164
1976	3.1	10,970	123	124	135	129	151	176	169	159	159	131	146	135	145	.162
1977	3.1	11,720	112	118	113	115	116	126	124	122	117	113	116	120	118	.132
1978	3.1	12,150	108	108	108	112	127	150	147	141	111	122	109	125	122	.137
1979	3.1	12,280	111	106	110	111	111	147	158	153	137	113	112	108	123	.138
1980	3.1	12,390	109	110	112	119	115	132	153	144	140	118	109	106	122	.137
AVERAGE 1978-1980	3.1	12,273	109	108	110	114	118	143	153	146	129	118	110	113	122	.137

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} apca - ACRE-FOOT PER CAPITA ANNUALLYMETERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY HUMBOLDT

CITY FORTUNA

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER FORTUNA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 4,2031980 7,575

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,475	1,475		18.7		24.8		24.0		34.6		28.3		16.5	146.9
1971	1,475	1,475		19.3		19.6		21.6		31.6		25.9		20.0	138.0
1972	1,475	1,475		19.8		19.3		24.6		33.6		26.2		21.3	144.8
1973	1,475	1,475		20.8		19.9		31.2		34.0		26.0		21.6	153.5
1974	1,486	1,461		22.2		15.4		28.5		39.2		31.0		19.9	156.2
1975	1,592	1,575		21.6		20.7		31.0		33.4		30.9		24.3	161.9
1976	1,592	1,575		30.0		29.3		36.1		33.8				38.2	167.4
1977	1,676	1,671		21.5		21.4		24.2		29.8		26.8		23.2	146.9
1978	1,676	1,671		22.0		24.0		29.0		34.0		27.0		22.0	158.0
1979	1,676	1,671		24.0		21.0		28.0		36.0		25.0		20.0	154.0
1980	1,921	1,897		27.0		22.0		22.0		35.0		29.0		23.0	158.0

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	acft/yr 2/
1970	2.85	4,200		75		97		94		133		110		64	96	.108
1971	2.81	4,150		79		77		85		123		102		79	91	.102
1972	2.78	4,100		80		77		98		132		105		85	96	.108
1973	2.75	4,050		87		81		126		135		105		87	104	.116
1974	2.71	4,030		93		63		116		157		126		81	106	.119
1975	2.68	4,260		86		80		119		126		119		94	104	.116
1976	2.64	4,200		119		114		141		130				75	109	.122
1977	2.61	4,370		83		80		91		110		101		87	92	.103
1978	2.69	4,510		83		87		105		122		98		80	96	.108
1979	2.78	4,660		87		74		99		125		88		70	91	.102
1980	2.50	4,800		94		75		75		118		99		79	90	.101
AVERAGE 1978-1980	2.66	4,657		88		79		93		122		95		76	92	.103

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} acft/yr - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY HUMBOLDT

CITY MC KINLEYVILLE-UNINCORPORATED

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER MC KINLEYVILLE COMMUNITY SERVICES DISTRICT

Type COMMUNITY SERVICES DISTRICT

CITY CENSUS POPULATION

1970 _____

1980 _____

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER All accounts in district

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971															
1972															
1973	1,570							12.6	15.1	16.0	15.2	14.4	13.6	10.7	
1974	1,670		12.4	11.1	12.0	12.5	15.5	15.5	20.6	19.5	18.3	16.7	13.2	14.1	181.4
1975	1,750		14.2	12.9	14.0	13.1	14.2	22.4	22.6	20.0	19.4	16.1	13.7	16.7	199.3
1978	1,798		16.1	14.8	17.0	15.2	20.8	25.2	26.9	21.1	21.5	17.9	17.3	16.7	230.5
1977	1,845		16.0	15.0	12.8	15.4	16.3	18.8	19.8	18.3	15.2	16.3	17.6	18.2	199.7
1978	1,917		18.2	16.5	18.2	19.3	23.5	28.9	35.8	35.6	23.7	23.8	22.8	23.6	289.9
1979	1,968		25.2	21.3	23.3	23.2	26.2	38.9	38.1	39.8	29.3	26.3	23.2	30.1	344.9
1980	2,051		17.8	22.1	23.1	29.0	30.9	37.9	45.5	40.2	35.3	31.0	18.8	23.7	355.3

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpc 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971																
1972																
1973	4.0	6,280						67	77	82	81	74	72	55		
1974	4.0	6,680	60	59	58	62	75	77	99	94	91	81	66	68	74	.083
1975	4.0	7,000	65	66	65	62	65	107	104	92	92	74	65	77	78	.087
1976	4.0	7,190	72	71	76	70	93	117	121	95	100	80	80	75	88	.099
1977	4.0	7,380	70	73	56	70	71	85	87	80	69	71	79	80	74	.083
1978	4.0	7,670	77	77	77	84	99	126	151	150	103	100	99	99	104	.116
1979	4.0	7,870	103	97	96	98	107	165	156	163	124	108	98	123	120	.134
1980	4.0	8,200	70	93	91	118	122	154	179	158	143	122	76	93	118	.132
AVERAGE 1978-1980	4.0	7,913	83	89	88	100	109	148	162	156	123	110	91	105	114	.128

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY IMPERIAL

CITY EL CENTRO

HYDROLOGIC STUDY AREA COLORADO RIVER

WATER SUPPLIER EL CENTRO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 19,272

1980 23,996

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: ☐

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	4,837		103.3	101.9	129.7	160.6	209.9	241.7	263.8	246.9	219.0	171.7	130.0	111.8	2,090.3
1971	4,963		129.9	126.2	155.1	169.0	222.3	249.0	265.8	247.7	213.6	185.5	134.8	115.7	2,214.6
1972	4,992		159.2	133.1	179.4	175.2	227.7	233.6	274.1	243.8	209.5	143.6	124.9	126.0	2,230.1
1973	5,059		117.3	112.0	131.2	172.4	219.8	251.1	274.1	242.6	208.8	187.7	135.4	122.8	2,175.2
1974	5,124		109.0	119.3	145.3	173.1	219.3	251.4	254.1	266.0	220.2	179.5	134.5	114.4	2,186.1
1975	5,104		122.6	121.9	144.7	161.3	212.9	259.5	253.5	261.1	212.1	185.0	143.0	129.3	2,206.9
1976	5,233		131.7	120.9	170.4	166.7	225.5	258.7	277.6	270.8	158.0	179.9	128.1	127.2	2,215.5
1977	5,350		120.4	124.9	158.9	186.4	193.6	253.5	282.7	220.3	233.1	181.3	139.6	117.9	2,212.6
1978	5,461		119.0	77.0	89.0	125.0	155.0	162.0	227.0	221.0	200.0	177.0	120.0	100.0	1,772.0
1979	5,535		107.2	126.0	135.3	95.8	176.0	182.1	192.6	167.0	200.5	185.7	182.5	124.3	1,875.0
1980	5,608		105.0	106.9	89.4	115.9	156.1	174.5	222.9	183.3	213.1	133.9	159.1	105.4	1,765.5

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpc ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	4.00	19,332	172	188	216	277	350	417	440	412	377	287	224	187	296	.332
1971	3.98	19,745	212	228	253	285	363	420	434	405	361	303	228	189	307	.344
1972	4.00	19,992	257	230	289	292	367	389	442	393	349	232	208	203	305	.342
1973	4.07	20,595	184	194	206	279	344	406	429	380	338	294	219	192	289	.324
1974	4.11	21,049	167	202	223	274	336	398	389	408	349	275	213	175	285	.319
1975	4.15	21,182	187	206	220	254	324	408	386	398	334	282	225	197	285	.319
1976	4.16	21,782	195	191	252	255	334	396	411	401	242	266	196	188	278	.311
1977	4.22	22,581	172	198	227	275	277	374	404	315	344	259	206	168	268	.300
1978	4.26	23,290	165	118	123	179	215	232	314	306	286	245	172	139	208	.233
1979	4.31	23,860	145	189	183	134	238	254	260	226	280	251	255	168	215	.241
1980	4.28	23,996	141	154	120	161	210	242	300	246	296	180	221	142	201	.225
AVERAGE 1978-1980	4.28	23,715	150	154	142	158	221	243	291	259	287	225	216	150	208	.233

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY INYO

CITY BISHOP

HYDROLOGIC STUDY AREA SOUTH LAHONTON

WATER SUPPLIER BISHOP

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 3,498

1980 3,333

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☒ X

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			3/												
1971			36.3	34.8	49.8	59.3	62.6	85.2	96.3	94.0	72.1	50.1	36.0	35.4	711.9
1972			34.3	55.6	60.3	61.2	74.7	81.6	100.7	92.5	65.1	44.4	41.0	37.5	748.9
1973			24.7	31.6	38.4	80.8	25.2	62.1	99.8	93.5	76.4	56.6	40.0	38.4	667.5
1974			41.6	37.2	45.0	62.4	80.0	97.3	101.2	97.7	81.2	53.0	40.3	37.6	774.5
1975			41.8	37.5	46.0	56.5	80.6	90.0	103.1	93.8	68.3	55.8	41.4	41.8	756.6
1976			33.4	28.0	38.3	47.9	59.8	69.1	69.7	68.4	50.2	41.4	32.1	30.1	568.4
1977			27.5	28.5	34.2	45.9	43.0	56.4	66.9	62.3	52.0	39.5	28.8	25.9	510.9
1978			24.2	22.0	28.6	35.0	53.2	62.9	71.7	70.7	46.4	43.5	27.5	26.8	512.5
1979			26.4	24.2	33.8	46.8	58.4	69.4	76.9	72.7	59.8	43.6	29.5	28.0	569.5
1980			25.3	23.8	30.3	43.4	52.7	66.8	76.5	77.3	55.5	44.9	30.1	27.2	553.8

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	apce 2/
1970			3/													
1971		3,520	333	353	456	562	574	807	883	861	683	459	341	324	554	.620
1972		3,550	312	540	548	575	679	766	915	841	611	403	385	341	576	.645
1973		3,590	222	314	345	750	226	577	897	840	709	509	371	345	509	.570
1974		3,520	381	377	412	591	733	921	927	895	769	486	382	345	603	.675
1975		3,550	380	377	418	531	732	845	937	852	641	507	389	380	584	.654
1976		3,690	292	262	335	433	523	624	609	598	453	362	290	263	421	.472
1977		3,510	253	290	314	436	395	536	615	573	494	363	274	238	399	.447
1978		3,420	228	230	270	341	502	613	676	667	452	410	268	253	411	.460
1979		3,390	251	255	322	460	556	682	732	692	588	415	290	266	460	.515
1980		3,333	245	246	293	434	510	668	740	748	555	435	301	263	454	.508
AVERAGE 1978-1980		3,381	241	244	295	412	523	654	716	702	532	420	286	261	442	.495

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ apce - ACRE-Feet PER CAPITA ANNUALLY

3/ DATA NOT AVAILABLE

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY KERN

CITY BAKERSFIELD

HYDROLOGIC STUDY AREA TULARE LAKE

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type PRIVATE COMPANY

CITY CENSUS POPULATION

1970 69,515

1980 106,900

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	37,079		613	616	940	1,276	1,961	2,243	2,605	2,393	1,761	1,240	807	549	17,004
1971	37,276		558	596	1,055	1,190	1,267	2,027	2,573	2,398	1,748	1,203	770	596	15,981
1972	37,381		598	811	1,267	1,382	1,920	1,971	2,482	2,201	1,567	1,015	579	553	16,346
1973	37,709		543	593	610	1,240	1,965	2,316	2,507	2,228	1,647	1,150	742	553	16,094
1974	38,075		560	670	833	1,161	1,859	2,225	2,425	2,271	1,851	1,066	660	577	16,158
1975	38,304		646	608	865	1,001	1,806	2,181	2,297	2,134	1,774	1,105	775	650	15,842
1976	38,921		763	711	1,028	1,134	1,821	2,082	2,309	1,900	1,329	1,103	792	746	15,718
1977	42,058		633	746	859	1,210	1,135	1,774	2,080	1,785	1,517	1,181	828	674	14,422
1978	42,908		565	549	667	842	1,714	2,141	2,359	2,250	1,382	1,443	923	771	15,606
1979	44,394		696	624	771	1,237	1,962	2,312	2,412	2,278	1,847	1,305	922	848	17,214
1980	45,482	30,875	663	634	783	1,253	1,558	2,063	2,476	2,306	1,773	1,450	1,002	777	16,738

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	acft ^{2/}
1970	3,306	122,600	161	179	247	347	516	610	685	630	479	326	219	144	380	.426
1971	3,295	122,843	147	173	277	323	333	550	676	630	474	316	209	157	356	.399
1972	3,285	122,778	157	228	333	375	504	535	652	578	425	267	157	145	364	.408
1973	3,273	123,440	142	172	159	335	514	625	655	582	445	301	200	145	357	.400
1974	3,263	124,220	145	193	216	312	483	597	630	590	497	277	177	150	356	.399
1975	3,252	124,549	167	174	224	267	468	584	595	553	475	286	207	168	348	.390
1976	3,241	126,127	195	194	263	300	466	550	591	486	351	282	209	191	340	.381
1977	3,230	135,831	150	196	204	297	270	435	494	424	372	280	203	160	291	.326
1978	3,219	138,104	131	142	156	203	400	517	551	526	334	337	223	180	310	.347
1979	3,208	142,398	158	157	175	290	444	541	546	516	432	296	216	192	331	.371
1980	3,197	145,390	147	150	174	287	346	473	549	512	406	322	230	172	315	.353
AVERAGE	3,208	141,964	146	150	168	260	397	510	549	518	391	318	223	181	319	.357

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ acft - ACRE-FEET PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY KERN

CITY DELANO

HYDROLOGIC STUDY AREA TULARE LAKE

WATER SUPPLIER DELANO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 14,5591980 16,625

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	4,031	4,016	77	79	118	183	225	260	335	275	217	168	75	78	2,090
1971	4,077		64	79	161	184	194	206	317	266	210	162	101	81	2,025
1972	4,159		67	93	226	162	230	279	268	280	190	119	60	78	2,052
1973	4,260		62	59	73	141	230	271	238	278	175	133	92	77	1,829
1974	4,296		62	78	93	152	239	251	299	284	216	136	88	73	1,971
1975	4,315		91	93	95	129	214	260	262	269	160	151	100	103	1,927
1976	4,385		99	104	78	92	137	208	304	299	299	179	169	145	2,113
1977	4,447		79	92	144	134	109	162	182	153	152	124	139	80	1,550
1978	4,500		39	37	67	77	177	217	273	226	180	130	101	81	1,605
1979	4,600		115	95	85	284	218	265	188	255	175	134	114	88	2,016
1980	4,938	4,931	99	84	97	157	186	202	294	264	187	166	114	95	1,945

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	3,625	14,600	170	193	261	418	497	594	740	608	495	371	171	172	392	.439
1971	3,600	14,700	140	192	353	417	426	467	696	584	476	355	229	178	377	.422
1972	3,574	14,900	145	215	489	362	498	624	580	606	425	258	134	169	376	.421
1973	3,549	15,100	132	140	156	311	491	598	508	594	386	284	203	164	332	.372
1974	3,523	15,100	132	184	199	336	511	554	639	607	477	291	194	156	358	.401
1975	3,498	15,100	194	220	203	285	457	574	560	575	353	323	221	220	350	.392
1976	3,472	15,200	210	244	166	202	291	456	645	635	656	380	371	308	380	.426
1977	3,447	15,300	167	215	304	292	230	353	384	323	331	261	303	169	278	.311
1978	3,422	15,400	82	86	140	167	371	470	572	473	390	272	219	170	286	.320
1979	3,391	15,600	238	217	176	607	451	566	389	527	374	277	244	182	354	.396
1980	3,382	16,700	191	173	187	313	359	403	568	510	373	321	228	184	318	.356
AVERAGE 1978-1980	3,398	15,900	170	159	168	362	394	480	510	503	379	290	230	179	319	.357

1/ gpcd - GALLONS PER CAPITA PER DAY
 2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY KERN
CITY MOJAVE (UNINCORPORATED)
HYDROLOGIC STUDY AREA SOUTH LAHONTAN
WATER SUPPLIER MOJAVE PUBLIC UTILITY DISTRICT
Type PUBLIC UTILITY DISTRICT

CITY CENSUS POPULATION
1970 NA
1980 NA
SYSTEM SERVES:
ALL ACCOUNTS IN CITY ☐
ALL ACCOUNTS IN CITY+ OUTSIDE ☐
PARTLY IN CITY ONLY ☐
OTHER Unincorporated Area Known as Mojave
OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1006		17.7	20.4	24.6	39.6	38.5	50.2	55.1	55.5	54.1	34.8	24.7	17.6	432.8
1971	1006		16.7	24.6	24.8	29.9	33.4	47.7	53.3	63.4	48.6	36.8	27.4	18.2	424.8
1972	1006		16.1	24.1	33.7	33.7	40.0	43.3	58.4	54.4	47.5	36.5	22.2	16.7	426.6
1973	1006		20.9	18.6	21.4	31.1	41.4	60.0	58.9	69.2	53.3	45.2	23.0	13.3	456.3
1974	1006		19.0	22.0	24.4	38.7	45.4	51.2	62.2	59.3	46.4	41.2	29.4	24.3	463.5
1975	1006		18.6	18.7	16.1	26.3	40.4	52.8	54.5	61.2	52.3	36.7	27.9	21.8	427.3
1976	1008		25.0	17.5	26.1	31.9	42.1	50.5	51.7	57.3	40.3	31.2	28.9	30.9	433.4
1977	1008		20.3	20.9	23.4	29.3	35.4	44.9	50.1	60.8	46.4	36.3	28.4	29.6	425.8
1978	1015		17.3	18.0	16.7	17.3	44.6	59.1	74.6	61.5	43.3	51.2	31.3	20.4	455.3
1979	1021		22.8	19.5	23.2	27.9	42.6	52.0	51.1	53.9	54.2	36.2	28.7	19.4	431.5
1980	1022		22.4	15.9	18.3	35.1	34.1	39.4	55.9	56.3	52.0	38.2	25.9	31.5	425.0

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	2.79	2,807	203	260	282	470	442	596	633	638	642	400	293	202	422	.473
1971	2.80	2,817	191	312	284	354	382	564	610	726	575	421	324	208	413	.463
1972	2.81	2,827	184	294	385	397	456	511	666	621	560	416	262	191	412	.461
1973	2.82	2,837	238	234	243	365	471	705	670	787	626	514	270	151	441	.494
1974	2.84	2,857	215	275	275	452	513	597	702	670	541	465	343	274	444	.497
1975	2.85	2,867	209	233	181	306	455	614	613	689	608	413	324	245	408	.457
1976	2.86	2,883	280	209	292	369	471	584	578	641	466	349	334	346	411	.460
1977	2.87	2,893	226	258	261	338	395	517	559	678	535	405	327	330	403	.451
1978	2.88	2,923	191	220	184	197	492	674	823	679	494	565	357	225	427	.478
1979	2.89	2,955	249	236	253	315	465	587	558	588	611	395	324	212	400	.448
1980	2.91	2,974	243	184	198	393	370	442	606	611	583	414	290	342	390	.437
AVERAGE 1979-1980	2.89	2,951	228	213	212	302	442	568	662	626	563	458	324	260	406	.455

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☒ FLAT RATE ☐ COMBINATION ☐
EXCLUDES SERVICES FOR: AGRICULTURE; HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY KERN

CITY RIDGECREST

HYDROLOGIC STUDY AREA SOUTH LAHONTON

WATER SUPPLIER INDIAN WELLS VALLEY WATER DISTRICT

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 7,6291980 15,929

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ XALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	2,217		23.7	22.6	28.2	39.4	47.8	60.7	73.1	73.2	55.9	42.0	30.8	22.9	520.3
1971	2,403		24.8	25.4	36.5	47.7	46.6	65.8	82.0	77.1	66.4	46.0	35.3	27.6	581.2
1972	2,703		26.1	31.8	50.6	49.0	57.4	79.0	94.2	89.2	68.3	52.2	35.3	31.8	664.9
1973	3,001		32.0	23.2	41.1	50.8	67.6	82.7	107.1	104.0	77.5	60.1	48.3	34.3	728.7
1974	3,261		34.6	35.6	44.4	64.8	79.9	92.3	117.7	91.8	99.0	69.1	42.5	40.9	812.6
1975	3,457		39.9	41.5	47.5	60.6	73.0	99.2	107.3	107.3	101.9	100.3	59.3	54.3	892.1
1976	3,642		51.1	44.5	39.4	62.9	63.6	96.4	93.5	133.2	85.3	92.3	53.0	57.8	873.0
1977	3,830		38.8	45.3	39.2	62.3	55.1	91.1	90.8	134.4	98.9	86.2	58.4	58.9	859.4
1978	4,087		39.2	38.1	36.5	52.5	63.9	91.7	148.8	141.3	113.0	84.9	76.1	62.2	948.2
1979	4,588		47.1	42.9	45.6	115.0	83.8	113.1	129.6	215.0	119.3	108.3	83.6	62.3	1,165.6
1980	5,000		53.0	47.6	120.4	134.0	81.8	95.0	133.4	160.0	150.3	109.1	98.4	61.7	1,244.7

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	3.44	7,629	100	106	119	172	202	265	309	310	244	178	135	97	187	.209
1971	3.41	8,206	97	111	143	194	183	267	322	303	270	181	143	108	194	.217
1972	3.39	9,163	92	120	178	178	202	287	332	314	248	184	128	112	198	.222
1973	3.36	10,083	102	82	131	168	216	273	343	333	256	192	160	110	198	.222
1974	3.34	10,892	102	117	131	198	237	282	349	272	303	205	130	121	204	.228
1975	3.31	11,443	112	130	134	177	206	289	302	302	297	283	173	153	214	.240
1976	3.29	11,975	138	128	106	175	171	268	252	359	237	249	148	156	199	.223
1977	3.26	12,486	100	130	101	166	142	243	235	347	264	223	156	152	189	.212
1978	3.24	13,222	96	103	89	132	156	231	363	345	285	207	192	152	196	.220
1979	3.21	14,728	103	104	100	260	184	256	284	471	270	237	189	136	217	.243
1980	3.19	15,929	107	103	244	280	166	199	270	324	315	221	206	125	213	.239
AVERAGE	3.21	14,626	102	103	144	224	169	229	306	380	290	222	196	138	209	.234

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY KERN

CITY SHAFTER

HYDROLOGIC STUDY AREA TULARE LAKE

WATER SUPPLIER SHAFTER

Type MUNICIPAL WATER DISTRICT

CITY CENSUS POPULATION

1970 5,327

1980 6,975

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ X

ALL ACCOUNTS IN CITY+ OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,655		32	31	53	68	110	135	148	127	91	65	39	27	926
1971	1,690		31	29	54	62	84	126	150	128	95	60	37	31	887
1972	1,725		30	41	69	75	104	127	138	120	82	52	29	29	896
1973	1,760		28	28	30	70	114	134	144	122	83	59	24	41	877
1974	1,795		28	38	44	67	113	140	149	135	103	60	34	30	941
1975	1,830		34	33	49	67	111	139	142	124	97	58	39	34	927
1976	1,865		47	38	61	65	107	135	141	110	73	52	37	36	902
1977	1,900		31	35	45	71	64	107	118	106	79	61	37	31	785
1978	2,016		26	25	29	40	93	117	126	118	63	67	37	30	771
1979	2,027		28	26	34	65	112	131	139	118	90	58	39	36	876
1980	2,048		28	28	38	67	94	118	135	119	91	73	48	36	875

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY gpcd ^{1/} step ^{2/}	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	3,219	5,300	195	209	323	428	670	849	901	773	572	396	245	164	479	.536
1971	3,238	5,500	182	188	317	376	493	764	880	751	576	352	224	182	442	.495
1972	3,256	5,600	173	252	397	446	599	756	795	691	488	300	173	167	437	.489
1973	3,275	5,800	156	172	167	402	634	770	801	679	477	328	138	228	414	.464
1974	3,294	5,900	153	230	241	379	618	791	815	738	582	328	192	164	437	.489
1975	3,313	6,100	180	193	259	366	587	760	751	656	530	307	213	180	416	.466
1976	3,331	6,200	245	211	317	349	557	726	734	572	392	271	199	187	397	.445
1977	3,350	6,400	156	195	227	370	323	557	595	534	411	307	193	156	336	.376
1978	3,369	6,800	123	131	138	196	441	574	598	560	309	318	181	142	311	.348
1979	3,387	6,900	131	135	159	314	524	633	650	552	435	271	188	168	348	.390
1980	3,406	7,000	129	138	175	319	433	562	622	548	433	336	229	166	342	.383
AVERAGE	3,387	6,900	128	135	157	276	466	590	623	553	392	308	199	159	334	.374

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ sfpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☒ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY KERN

CITY TEHACHAPI

HYDROLOGIC STUDY AREA TULARE LAKE

WATER SUPPLIER TEHACHAPI
Type MUNICIPAL WATER DISTRICT

CITY CENSUS POPULATION

1970 4,211

1980 4,080

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,250		7	7	8	13	18	32	49	42	33	24	20	14	267
1971	1,239		17	19	20	49	30	45	33	40	18	37	14	9	331
1972	1,254		9	15	20	21	63	34	46	35	21	17	18	16	315
1973	1,274		15	14	9	33	30	52	46	33	27	24	13	10	306
1974	1,289		9	10	11	15	29	42	41	36	33	15	13	9	263
1975	1,289		11	9	11	11	29	37	49	40	31	19	10	14	271
1978	1,295		14	10	15	17	32	38	49	40	24	23	17	15	294
1977	1,330		13	13	13	21	20	37	45	36	31	25	15	13	282
1978	1,340		11	11	13	12	31	43	46	44	29	25	13	14	292
1979	1,351		13	12	14	19	34	27	48	40	36	23	15	15	296
1980	1,355		13	13	14	20	24	40	24	66	34	27	20	30	325

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NDV	DEC	gpcd 1/	afpcd 2/
1970	3.369	4,200	54	60	61	103	138	254	376	323	262	184	159	108	174	.195
1971	3.333	4,200	131	162	154	389	230	357	253	307	143	284	111	69	216	.242
1972	3.297	4,200	69	123	154	167	484	270	353	269	167	131	143	123	205	.230
1973	3.262	4,200	115	119	69	262	230	413	353	253	214	184	103	77	200	.224
1974	3.226	4,200	69	85	84	119	223	333	315	276	262	115	103	69	172	.193
1975	3.190	4,100	87	78	87	89	228	301	386	315	252	149	81	110	181	.203
1976	3.154	4,100	110	84	118	138	252	309	386	315	195	181	138	118	196	.220
1977	3.118	4,100	102	113	102	171	157	301	354	283	252	197	122	102	188	.211
1978	3.083	4,100	87	96	102	98	244	350	362	346	236	197	106	110	195	.218
1979	3.047	4,100	102	105	110	154	268	220	378	315	293	181	122	118	198	.222
1980	3.011	4,100	102	109	110	163	189	325	189	519	276	212	163	236	217	.243
AVERAGE 1978-1980	3.047	4,100	97	103	107	138	234	298	310	393	268	197	130	155	203	.227

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY KINGS

CITY HANFORD

HYDROLOGIC STUDY AREA TULARE LAKE

WATER SUPPLIER HANFORD

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 15,1791980 21,025

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	6,093	4,714	68	69	108	170	250	276	314	291	221	154	94	71	2,086
1971	6,176		77	82	142	163	181	276	336	297	219	149	94	74	2,090
1972	6,304		74	97	177	203	280	300	336	291	204	139	81	77	2,259
1973	6,488		76	69	80	146	248	292	314	278	196	120	86	71	1,976
1974	6,554		73	81	99	157	259	301	328	293	228	120	79	73	2,091
1975	6,718		81	75	98	147	261	307	326	290	194	136	96	89	2,100
1976	6,859		116	89	132	140	264	276	318	236	167	123	96	93	2,050
1977	7,023		81	85	102	150	140	216	251	222	178	133	82	66	1,706
1978	7,171		73	69	82	88	206	266	295	284	163	169	95	89	1,879
1979	7,370		85	77	97	164	262	314	319	290	242	172	100	98	2,220
1980	7,650	5,738	89	87	103	168	239	294	330	300	221	175	192	100	2,235

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	apoc 2/
1970	2,987	18,200	121	135	191	311	443	505	557	516	405	273	172	126	314	.352
1971	3,054	18,900	131	155	242	287	309	487	573	507	386	254	166	126	303	.339
1972	3,122	19,700	121	170	290	343	458	508	550	477	345	228	137	126	313	.351
1973	3,189	20,700	118	119	125	235	386	470	489	433	316	187	138	111	262	.293
1974	3,256	21,300	111	136	150	246	392	471	497	444	357	182	124	111	269	.301
1975	3,324	22,300	117	120	142	220	378	459	472	419	290	197	143	129	258	.289
1976	3,391	23,300	161	132	183	200	365	395	440	327	239	170	137	129	240	.269
1977	3,458	24,300	108	125	135	206	186	296	333	295	244	177	112	88	192	.215
1978	3,525	25,300	93	97	105	116	263	350	376	362	215	215	125	113	203	.227
1979	3,593	26,500	103	104	118	206	319	395	388	353	304	209	126	119	230	.258
1980	3,660	28,000	103	107	119	200	275	350	380	346	263	202	154	115	218	.244
AVERAGE	3,593	26,600	100	103	114	174	286	365	381	354	261	209	135	116	217	.243

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} a/cap - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LAKE

CITY LAKEPORT

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER LAKEPORT

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 3,0051980 3,675

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,237	1,192	11.1	10.7	11.8	14.4	26.5	30.5	37.2	32.5	25.3	12.3	11.7	10.7	234.7
1971	1,260	1,215	10.7	10.5	12.0	12.6	16.6	25.0	31.5	30.3	23.5	17.1	12.5	10.6	212.9
1972	1,286	1,241	11.1	10.3	11.8	13.1	20.9	26.5	32.3	31.4	21.5	13.0	11.3	13.2	216.4
1973	1,313	1,268	11.4	10.5	11.5	16.5	25.1	28.5	33.8	32.2	21.8	15.3	8.8	11.6	227.0
1974	1,451	1,406	11.5	10.0	11.6	12.4	22.9	29.4	32.0	32.0	27.0	18.7	11.0	12.8	231.3
1975	1,523	1,478	12.2	10.6	11.4	12.4	20.3	28.9	31.4	29.2	24.6	14.7	11.6	12.0	219.3
1976	1,568	1,522	11.8	11.3	13.5	14.1	25.2	26.5	30.6	22.8	21.1	15.6	13.0	11.9	217.4
1977	1,578	1,532	11.8	9.0	8.7	10.3	9.6	13.8	17.0	15.3	12.1	10.5	8.9	10.2	137.2
1978	1,588	1,542	10.1	9.3	8.0	10.5	16.4	22.0	26.3	26.2	16.6	18.0	13.7	12.8	189.9
1979	1,894	1,838	9.9	10.7	11.0	11.9	18.5	26.5	29.3	28.6	24.3	17.8	14.5	12.0	215.0
1980	1,884	1,838	11.3	12.6	13.6	14.0	23.2	18.2	26.7	30.7	23.5	17.2	13.4	13.2	217.6

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	atpcd ^{2/}
1970	2.52	3,120	115	122	122	154	274	326	385	336	270	127	125	111	206	.231
1971	2.47	3,110	111	121	124	135	172	268	327	314	252	177	134	110	188	.211
1972	2.42	3,110	115	114	122	140	217	284	335	326	230	135	121	137	190	.213
1973	2.37	3,110	118	121	119	177	260	305	351	334	234	159	94	120	200	.224
1974	2.32	3,360	110	106	111	123	220	292	307	307	268	180	109	123	189	.212
1975	2.27	3,450	114	110	107	120	190	279	294	273	238	137	112	112	174	.195
1976	2.21	3,470	110	112	125	135	234	255	284	212	203	145	125	111	171	.192
1977	2.16	3,410	112	94	82	101	91	135	161	145	118	99	87	96	110	.123
1978	2.11	3,350	97	99	77	104	158	219	253	252	165	173	136	123	155	.174
1979	2.06	3,900	82	98	91	102	153	226	242	237	208	147	124	99	151	.169
1980	2.01	3,780	96	115	116	123	198	160	228	262	207	147	118	113	157	.176
AVERAGE	2.06	3,677	92	104	95	110	170	202	241	250	193	156	126	112	154	.172

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ a/cps - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LASSEN

CITY SUSANVILLE

HYDROLOGIC STUDY AREA NORTH LAHONTAN

WATER SUPPLIER CALIFORNIA PACIFIC NATIONAL

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 6,608

1980 6,525

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	2,348		29.9	32.8	32.9	27.7	62.9	66.4	77.8	89.4	62.7	68.3	53.9	35.6	640.3
1971	2,365		25.6	29.2	29.3	35.1	45.9	60.5	70.7	87.1	78.8	41.9	54.4	35.7	594.2
1972	2,365		25.2	29.2	36.8	26.6	48.6	97.7	63.5	110.4	123.2	51.1	55.3	37.8	705.4
1973	2,373		25.3	30.2	36.9	25.3	57.3	99.6	75.2	121.0	65.5	58.3	61.1	28.2	683.9
1974	2,375		23.8	27.3	35.8	28.1	72.2	83.7	69.2	113.7	79.0	57.8	71.0	30.7	692.3
1975	2,412		32.0	30.9	30.9	25.8	65.6	74.8	69.8	108.4	59.3	71.6	42.5	28.8	640.4
1976	2,438	2,405	27.6	28.9	29.5	32.4	52.8	79.6	90.7	92.2	69.1	63.0	45.3	30.8	641.9
1977	2,488	2,455	28.9	30.4	27.9	28.8	44.9	49.8	72.4	94.3	89.7	60.7	37.2	39.8	604.8
1978	2,521	2,487	24.7	29.5	37.6	27.0	43.5	57.5	49.1	89.7	74.6	58.3	49.9	30.9	572.3
1979	2,588	2,554	22.6	26.9	33.2	20.6	50.5	101.0	68.7	112.3	73.0	63.9	73.3	27.9	673.9
1980	2,600	2,564	23.8	36.2	31.2	27.2	70.0	67.8	77.0	107.0	63.3	71.2	39.8	36.5	651.0

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970	2.82	6,610	146	177	161	140	307	335	380	436	316	333	272	174	265	.297
1971	2.79	6,590	125	158	143	178	225	306	346	426	399	205	275	175	247	.277
1972	2.76	6,530	124	154	182	136	240	499	314	545	629	252	282	187	295	.330
1973	2.73	6,490	126	166	183	130	285	512	374	601	336	290	314	140	289	.324
1974	2.71	6,430	119	152	180	146	362	434	347	570	410	290	368	154	295	.330
1975	2.68	6,460	160	171	154	133	328	386	349	541	306	357	219	144	272	.305
1976	2.65	6,460	138	154	147	167	264	411	453	460	357	315	234	154	271	.304
1977	2.62	6,530	143	166	138	147	222	254	358	466	458	300	190	197	254	.284
1978	2.60	6,550	122	161	185	137	214	293	242	442	380	287	254	152	239	.268
1979	2.57	6,650	110	144	161	103	245	506	333	545	366	310	367	135	278	.311
1980	2.54	6,610	116	189	152	137	342	342	376	522	319	347	201	178	269	.301
AVERAGE 1978-1980	2.57	6,603	116	165	166	126	267	380	317	503	355	315	274	155	262	.293

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY ALHAMBRA

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER ALHAMBRA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 62,125

1980 64,615

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY+ OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			222.7	226.6	250.7	303.6	369.4	361.2	426.6	421.6	370.7	316.0	264.9	209.4	3,743.4
1971			222.0	220.0	279.6	289.0	306.2	362.8	424.3	433.6	374.3	321.5	264.1	229.6	3,727.0
1972			237.0	255.1	300.5	329.3	367.1	365.7	434.9	400.9	335.8	298.8	250.1	236.3	3,811.5
1973			226.7	192.1	220.1	293.9	341.7	384.9	403.1	396.6	328.1	314.1	243.1	229.4	3,573.8
1974			201.6	235.2	224.9	297.5	327.6	384.7	427.0	395.0	359.7	301.1	261.3	229.6	3,645.2
1975			240.5	200.1	217.0	229.6	330.7	353.6	413.8	406.7	371.4	316.5	290.1	270.0	3,640.0
1976			300.1	241.0	281.8	277.1	350.0	403.1	414.2	391.7	280.4	299.3	277.5	274.0	3,790.2
1977			225.1	225.7	240.9	256.5	224.5	278.6	328.1	301.0	279.8	277.1	258.5	226.2	3,122.0
1978			196.3	187.4	207.4	204.2	310.2	368.1	391.4	377.4	315.6	310.4	233.7	231.6	3,333.7
1979			213.1	194.2	221.5	264.3	325.5	369.0	389.9	374.6	388.3	302.2	272.2	270.4	3,585.2
1980			265.7	210.0	228.4	287.1	284.5	357.5	409.1	397.1	336.9	332.4	303.5	278.3	3,690.5

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970		62,125	116	130	130	163	192	194	222	219	199	164	142	109	165	.185
1971		62,100	115	127	145	155	159	195	220	225	201	167	142	119	164	.184
1972		62,945	121	140	154	174	188	194	223	205	178	153	132	121	165	.185
1973		62,000	118	111	115	158	178	207	210	206	176	163	131	119	158	.177
1974		63,120	103	133	115	157	167	203	218	202	190	154	138	117	158	.177
1975		63,000	123	113	111	121	169	187	212	208	197	162	153	138	158	.177
1976		63,120	153	132	144	146	179	213	212	200	148	153	147	140	164	.184
1977		64,290	113	125	121	133	113	144	165	151	145	139	134	113	133	.149
1978		63,350	100	106	106	107	158	194	199	192	166	158	123	118	144	.161
1979		63,900	108	109	112	138	164	192	197	189	203	153	142	137	154	.172
1980		64,615	133	112	114	148	142	184	204	198	174	166	157	139	156	.175
AVERAGE		63,955	114	109	111	131	155	190	200	193	181	159	141	131	151	.169

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ORANGE

CITY ANAHEIM

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER ANAHEIM

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 166,408

1980 221,847

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	37,910	35,977	884.8	804.2	1080.2	1221.0	1383.2	1393.4	1617.4	1630.1	1407.0	1274.1	796.8	578.2	14,070.6
1971	39,275	37,365	611.0	647.9	1008.6	1126.2	1188.1	1447.6	1602.5	1676.5	1824.3	1568.6	1160.1	800.3	14,661.7
1972	39,935	38,017	851.0	946.1	1106.0	1273.2	1435.7	1302.6	1941.6	1613.8	1340.4	1310.7	909.7	888.5	14,919.3
1973	40,845	39,081	964.6	749.4	889.8	1229.7	1442.3	1649.2	1690.8	1600.7	1455.6	1459.7	1094.1	904.5	15,130.4
1974	42,138	40,371	837.2	1020.2	1006.2	1359.5	1450.1	1603.8	1675.5	1636.2	1428.7	1326.7	1492.9	1287.2	16,124.2
1975	43,592	41,820	793.5	714.8	892.5	1105.3	1432.7	1642.9	1982.0	1823.0	1688.9	1448.5	1267.7	1157.4	15,949.2
1976	43,590	41,756	1327.6	1006.1	1236.8	1272.5	1580.9	1759.0	1859.3	1899.9	1315.4	1547.4	1392.8	1381.8	17,579.5
1977	44,340	42,527	1084.9	1082.1	1196.1	1362.9	1277.7	1500.4	1732.9	1556.8	1467.4	1402.6	1331.7	1119.1	16,114.6
1978	46,340	44,585	897.1	833.5	942.4	990.3	1703.2	1948.0	2059.8	2009.8	1682.9	1648.9	1204.8	1164.4	17,084.8
1979	48,478		1021.9	960.1	1110.7	1386.8	1741.3	1934.2	2093.4	2029.8	2073.9	1482.2	1383.0	1421.8	18,639.1
1980	49,765	47,775	1151.1	1020.7	1172.0	1520.5	1631.9	1984.1	2274.5	2197.4	1883.8	1794.0	1633.5	1435.9	19,699.4

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	af/pc ^{2/}
1970	4.63	175,348	163	164	199	232	254	265	248	300	267	234	151	106	220	.246
1971	4.64	182,269	108	127	170	206	210	265	284	297	334	278	212	142	220	.246
1972	4.60	183,880	149	177	194	231	252	236	341	283	243	230	165	156	222	.249
1973	4.57	186,805	167	143	154	219	249	294	292	276	260	252	195	156	222	.249
1974	4.57	192,363	140	189	169	236	243	278	281	274	248	222	259	216	230	.258
1975	4.61	200,869	127	127	143	183	230	273	318	293	280	233	210	186	218	.244
1976	4.72	205,617	208	169	194	206	248	285	292	298	213	243	226	217	234	.262
1977	4.78	211,800	165	182	182	214	195	236	264	237	231	214	210	170	208	.253
1978	4.70	217,990	133	137	139	151	252	298	305	297	257	244	184	172	215	.241
1979	4.64	224,722	147	153	159	206	250	287	301	291	308	213	205	204	227	.254
1980	4.63	230,497	161	153	164	220	228	287	318	308	272	251	236	201	234	.262
AVERAGE	4.66	224,403	147	148	154	192	243	291	308	299	279	236	208	192	225	.252

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} af/pc - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY ARCADIA

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER ARCADIA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 45,138

1980 45,850

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY+ OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			3/												
1971	12,242		219.2	234.9	311.2	352.3	369.5	489.2	616.4	627.6	519.9	412.2	294.7	221.4	4,668.5
1972	12,308		232.6	283.5	373.2	449.6	485.5	495.5	638.1	581.2	446.6	359.8	258.1	243.1	4,846.5
1973	12,352		215.4	163.8	200.5	353.1	448.1	555.1	595.4	560.3	442.1	412.2	271.5	234.1	4,451.6
1974	12,360		186.3	274.5	216.2	381.5	417.4	567.0	629.9	565.5	511.7	354.6	308.9	236.4	4,649.9
1975	12,486		264.8	199.7	228.2	225.2	421.9	475.8	613.4	602.2	530.4	377.8	344.9	286.5	4,570.8
1976	12,584		344.8	236.4	320.9	316.4	465.3	562.5	597.7	567.0	291.7	382.2	326.9	314.2	4,726.0
1977	12,629		225.2	268.5	268.5	335.1	254.3	384.5	514.6	428.6	409.9	368.0	313.4	234.9	4,005.5
1978	12,711		262.0	169.5	146.0	162.0	190.5	296.5	556.0	422.8	576.3	422.3	428.6	268.9	3,901.8
1979	12,878		218.2	249.8	163.3	169.5	267.3	352.2	545.9	488.8	570.0	442.6	440.2	293.6	4,201.4
1980	12,786		306.7	213.4	188.1	220.9	295.4	333.7	489.4	514.1	636.1	440.8	509.1	335.6	4,483.3

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970																
1971	3.69	45,185	156	186	222	260	264	361	440	448	384	294	217	158	283	.317
1972	3.68	45,232	166	216	266	331	346	365	455	414	329	257	190	173	293	.328
1973	3.66	45,245	154	129	143	260	319	409	424	399	326	294	200	167	270	.302
1974	3.65	45,114	133	217	155	282	298	419	450	404	378	254	228	169	282	.316
1975	3.65	45,549	188	157	162	165	299	348	434	426	388	268	252	203	275	.308
1976	3.64	45,800	243	178	226	230	328	409	421	399	212	269	238	221	282	.316
1977	3.73	47,050	154	204	184	237	174	272	353	294	290	252	222	161	233	.261
1978	3.70	47,050	180	129	100	115	131	210	381	290	408	290	304	184	227	.254
1979	3.64	46,900	150	190	112	120	183	250	375	336	405	304	313	202	245	.274
1980	3.66	46,750	212	157	130	158	204	238	338	355	454	304	363	232	262	.293
AVERAGE 1978-1980	3.67	46,900	181	159	114	131	173	233	365	327	422	299	327	206	245	.274

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-FOOT PER CAPITA ANNUALLY

3/ DATA NOT AVAILABLE

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

T A B L E 3 (continued)

WATER PRODUCTION, POPULATION SERVED AND URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY BEVERLY HILLS

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER BEVERLY HILLS

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 33,416

1980 32,350

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: ☐

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	10,027	8,098	250.5	263.8	290.0	339.8	395.8	362.8	410.0	408.3	385.0	345.2	296.1	237.6	3,984.9
1971	10,041	8,119	247.0	243.2	317.4	332.7	340.0	368.2	421.1	445.0	385.9	382.7	300.1	270.7	4,054.0
1972	10,533	8,509	256.1	323.6	343.4	367.4	391.5	386.6	444.7	452.3	415.4	377.6	318.4	304.0	4,381.0
1973	10,015	8,145	291.5	241.6	272.9	343.7	367.0	415.7	418.2	421.3	367.4	364.3	325.8	298.3	4,127.7
1974	10,531	8,545	270.0	285.2	262.6	328.5	383.6	385.4	436.4	416.7	389.3	346.5	336.6	316.3	4,157.1
1975	10,782	8,711	320.9	238.9	268.1	276.4	365.4	362.0	423.9	414.7	389.0	359.4	350.2	333.1	4,102.0
1976	10,870	8,990	313.6	245.6	314.1	301.7	380.5	410.3	436.9	422.9	325.1	382.2	348.7	337.9	4,219.5
1977	10,370	8,147	305.3	272.7	317.3	287.9	325.6	366.8	405.2	371.1	354.0	336.6	334.3	303.0	3,979.8
1978	9,996	8,147	305.3	272.7	461.0	437.8	325.6	366.8	440.0	416.8	392.4	370.7	300.6	279.3	4,369.0
1979	9,947	8,141	272.1	236.2	272.4	348.1	400.1	428.6	448.2	433.9	430.1	366.7	352.3	357.0	4,345.7
1980	9,870	8,091	265.4	273.1	286.8	359.0	342.5	425.8	485.4	464.6	402.3	383.7	383.7	336.0	4,408.3

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpc ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	4.13	41,375	195	228	226	274	309	292	320	318	310	269	239	185	264	.296
1971	4.12	41,372	193	210	247	268	265	297	328	347	311	298	242	211	268	.300
1972	3.93	41,369	200	270	268	296	305	312	347	353	335	294	257	237	289	.324
1973	4.08	40,891	230	211	215	280	290	339	330	332	299	287	266	235	277	.310
1974	3.92	41,296	211	247	205	265	300	311	341	326	314	271	272	247	276	.309
1975	3.91	42,125	246	203	205	219	280	286	325	318	308	275	277	255	267	.299
1976	3.89	42,282	239	200	240	238	290	323	333	323	256	292	275	258	273	.306
1977	4.06	42,085	234	231	243	228	250	291	311	284	280	258	265	232	259	.290
1978	4.02	40,164	245	242	370	363	262	304	353	334	326	298	249	224	298	.334
1979	4.00	39,788	221	212	221	292	324	359	363	352	360	297	295	289	299	.335
1980	4.00	39,474	217	239	234	303	280	360	397	380	340	314	324	275	305	.342
AVERAGE 1978-1980	4.01	39,809	228	231	275	319	289	341	371	355	342	303	289	263	301	.337

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpc - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY CENSUS POPULATION

CITY BURBANK1970 88,8711980 84,700HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER BURBANKType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			531.8	535.6	602.0	708.5	855.9	825.0	982.9	994.0	866.0	739.0	614.6	494.8	8,750.1
1971			543.3	517.9	628.4	660.3	703.8	812.2	932.8	965.2	836.9	752.9	596.6	526.2	8,476.5
1972			550.7	573.4	684.2	710.1	773.2	789.7	940.4	878.0	747.7	663.7	548.9	530.1	8,390.1
1973			506.6	438.6	505.1	638.3	755.8	856.8	893.6	866.0	747.6	744.6	559.2	513.5	8,025.7
1974			485.2	551.7	526.7	659.4	732.2	836.4	919.9	852.2	804.0	625.9	582.1	488.8	8,064.5
1975			532.5	448.7	483.7	502.4	675.8	701.6	831.5	825.0	758.7	650.5	586.6	526.2	7,523.2
1976			584.4	476.2	559.7	573.1	713.7	809.6	808.8	796.0	570.5	625.3	564.4	564.7	7,646.4
1977			467.5	487.4	512.9	551.9	465.3	571.7	678.0	620.4	596.0	560.1	513.7	452.6	6,477.5
1978			376.7	381.6	393.6	419.4	500.2	709.0	765.1	715.6	688.2	623.7	532.8	442.5	6,548.4
1979			420.7	418.1	399.2	467.6	585.9	683.0	753.4	728.3	738.7	644.2	523.6	506.7	6,869.4
1980			456.5	412.5	429.5	518.8	543.5	630.5	762.2	787.2	727.0	651.4	608.4	531.8	7,059.3

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	atpca ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970		88,871	193	215	219	266	311	309	357	361	325	268	231	180	270	.302
1971		86,679	202	213	234	254	262	312	347	359	321	280	229	196	268	.300
1972		87,691	203	225	252	270	284	300	346	323	284	244	209	195	261	.292
1973		85,441	191	183	191	249	285	334	337	327	292	281	218	194	257	.298
1974		85,400	183	231	199	257	277	326	347	322	314	236	227	185	259	.290
1975		85,500	201	187	182	196	255	274	314	311	296	245	229	199	241	.270
1976		86,245	219	190	209	222	267	313	303	298	220	234	218	211	242	.271
1977		86,782	174	201	191	212	173	220	252	231	229	208	197	168	205	.230
1978		86,147	141	158	147	162	187	274	286	268	266	234	206	166	208	.233
1979		84,579	160	177	152	184	223	269	287	278	291	246	206	193	223	.250
1980		84,625	174	168	164	204	207	248	291	300	286	248	240	203	228	.255
AVERAGE 1970-1980		85,117	158	168	154	183	206	264	288	282	281	243	217	187	220	.246

^{1/} gpcd - GALLONS PER CAPITA PER DAY
^{2/} atpca - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☒ FLAT RATE ☐ COMBINATION ☐
 EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY CLAREMONT

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER SOUTHERN CALIFORNIA WATER COMPANY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 24,776

1980 30,250

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY+ OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS*		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			124.5	145.9	166.4	228.1	303.6	296.1	392.9	391.5	339.9	250.1	177.8	103.7	2,920.5
1971	6,613		122.8	144.9	185.4	213.1	233.4	287.3	379.3	395.1	352.2	268.7	175.4	134.5	2,892.1
1972	6,644		139.7	181.6	237.5	266.1	303.7	280.8	410.5	356.5	278.3	227.8	158.3	140.5	2,981.3
1973	6,918		128.1	99.1	108.4	201.3	281.4	346.1	381.5	361.8	292.2	286.3	188.4	151.9	2,826.5
1974	6,831		108.1	159.4	144.0	226.6	273.2	343.0	404.3	383.5	348.1	253.5	195.3	159.7	2,998.7
1975	6,729		172.5	119.5	155.4	140.2	254.4	261.8	398.0	394.6	336.5	270.5	223.0	191.6	2,918.0
1976			204.0	152.2	195.2	204.2	333.2	361.5	400.4	391.3	216.3	243.1	237.7	216.3	3,155.4
1977			132.8	154.7	147.9	222.8	170.1	261.0	340.8	321.5	309.5	286.1	232.2	182.7	2,762.1
1978	9,515		135.9	90.7	93.4	100.6	135.2	258.8	332.5	361.1	334.0	291.4	255.8	177.5	2,566.9
1979	9,890		129.8	98.5	121.7	120.5	209.4	263.2	365.5	370.5	386.6	329.7	255.8	180.7	2,831.9
1980			229.7	120.1	129.7	136.9	206.0	219.7	351.0	365.8	433.8	348.7	318.6	217.6	3,077.6

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) ^{1/}														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	#lpcd ^{2/}	
1970		25,900	155	201	207	294	378	381	489	488	437	311	229	129	309	.346	
1971	3.96	26,207	151	197	228	271	287	365	467	486	448	331	223	166	302	.338	
1972	3.97	26,357	171	238	291	337	372	355	502	436	352	279	200	172	309	.346	
1973	4.00	27,644	149	128	126	243	328	417	445	422	352	334	227	177	280	.314	
1974	4.01	27,379	127	208	170	276	322	418	476	452	424	299	238	188	300	.336	
1975	4.02	27,084	205	158	185	173	303	322	474	470	414	322	274	228	295	.330	
1976		27,963	235	188	225	243	384	431	462	451	258	280	283	250	308	.345	
1977		28,850	148	192	165	257	190	302	381	359	358	320	268	204	262	.293	
1978	3.12	29,723	147	109	101	113	147	290	361	392	375	316	287	193	237	.265	
1979	3.12	30,873	136	114	127	130	219	284	382	387	417	344	276	189	251	.281	
1980		31,841	233	130	131	143	209	230	356	371	454	353	334	220	264	.296	
AVERAGE		30,812	172	118	120	129	192	268	366	383	415	338	299	201	251	.281	

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ #lpc - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☒ FLAT RATE ☐ COMBINATION ☐
EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY DOWNEY

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER DOWNEY

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 88,573

1980 82,600

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ X

ALL ACCOUNTS IN CITY + OUTSIDE ☒ X

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	11,252		152.0	171	197	222	264	279	340	320	280	210	205	200	2,840.0
1971	11,385		191	123	152	194	212	209	321	350	300	262	205	166	2,685
1972	11,402		170	187	223	256	273	286	333	317	281	206	191	184	2,907
1973	11,408		182	146	170	232	260	293	324	285	318	221	159	169	2,759
1974	11,443		156	163	170	236	277	279	329	296	268	262	217	173	2,826
1975	11,465		173	148	156	169	232	273	312	317	270	236	193	204	2,693
1976			237	168	211	201	288	315	329	294	213	249	231	216	2,952
1977	11,346		182	190	192	222	172	238	262	213	215	226	210	190	2,513
1978	22,500	3/	236.9	238.8	273.1	292.3	457.5	533.7	549.7	609.0	448.0	411.9	342.5	346.7	4,740.1
1979	23,000		297.2	278.6	324.2	407.0	519.1	605.4	568.9	548.1	579.0	446.7	363.6	397.2	5,335.0
1980	23,000		332.0	287.7	339.9	426.5	431.4	597.2	647.1	535.0	575.8	379.0	427.5	398.5	5,377.6

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) 1/														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/	
1970	4.03	45,400	108	135	140	163	188	205	242	227	206	149	151	142	171	.192	
1971	3.98	45,318	136	97	108	143	151	154	229	249	221	187	151	118	162	.181	
1972	3.95	44,981	122	143	160	190	196	212	239	227	208	148	142	132	177	.198	
1973	3.90	44,548	132	117	123	174	188	219	235	206	238	160	119	122	170	.190	
1974	3.86	44,170	114	132	124	178	202	211	240	216	202	191	164	126	175	.196	
1975	3.82	43,739	128	121	115	129	171	208	230	234	206	174	147	150	168	.188	
1976		42,774	179	135	159	157	217	245	248	222	166	188	180	163	189	.212	
1977	3.80	43,171	136	157	143	171	129	184	197	159	166	169	162	142	159	.178	
1978	3.69	82,913	92	103	106	118	178	215	214	237	180	160	138	135	157	.176	
1979	3.64	83,605	115	119	125	162	200	241	220	211	231	172	145	153	175	.196	
1980	3.59	82,602	130	120	133	172	169	241	253	209	232	148	173	156	178	.199	
AVERAGE 1978-1980	3.64	83,040	112	114	121	151	182	232	229	219	214	160	152	148	170	.190	

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

3/ SOUTHERN CALIFORNIA WATER COMPANY SERVICES PURCHASED BY THE CITY.

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY EAST LOS ANGELES (UNINCORPORATED)

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 NA

1980 NA

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: ☐

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			514.6	488.2	547.7	593.9	657.6	666.2	743.8	737.2	686.1	637.1	541.5	500.2	7,314.1
1971	25,225		510.6	487.5	574.2	577.7	612.4	675.4	746.2	771.5	687.8	630.4	537.5	496.7	7,307.9
1972	25,181		510.7	516.2	591.9	612.6	658.4	673.3	721.7	733.7	655.8	611.4	526.4	502.2	7,314.3
1973	25,170		495.0	442.6	483.9	549.5	626.0	672.2	685.3	707.8	623.4	624.3	530.7	497.8	6,938.5
1974	25,141		483.3	484.6	484.1	558.2	596.3	646.8	706.6	676.0	630.0	578.1	510.0	475.1	6,829.1
1975	25,152		498.7	427.8	469.4	475.3	573.5	590.2	668.2	669.9	624.9	573.1	511.5	509.9	6,592.4
1976	25,172		544.2	464.9	526.3	520.8	608.1	656.9	686.1	670.5	547.6	562.0	541.3	533.6	6,862.3
1977	25,194		477.1	460.6	501.0	501.8	463.6	528.9	578.9	558.1	523.0	515.7	494.7	454.8	6,058.2
1978	25,220		417.0	390.0	454.0	448.0	571.0	633.0	677.0	665.0	594.0	580.0	484.0	480.0	6,393.0
1979	25,199		491.0	434.0	485.0	532.0	609.0	666.0	697.0	698.0	667.0	599.0	527.0	549.0	6,954.0
1980	25,259		487.0	453.0	488.0	533.0	551.0	624.0	723.0	678.0	585.0	600.0	529.0	487.0	6,738.0

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	#aca ^{2/}
1970		103,881	160	168	170	191	204	214	231	229	220	198	174	155	193	.216
1971	4.14	104,381	158	167	177	184	189	216	231	238	220	195	172	154	192	.215
1972	4.16	104,829	157	170	182	195	203	214	222	226	209	188	167	155	191	.214
1973	4.19	105,412	151	150	148	174	192	213	210	217	197	191	168	152	180	.202
1974	4.21	105,919	147	163	147	176	182	204	215	206	198	176	161	145	177	.198
1975	4.23	106,467	151	144	142	149	174	185	202	203	196	174	160	154	170	.190
1976	4.26	107,182	164	150	158	162	183	204	206	202	170	169	168	161	175	.196
1977	4.28	107,905	143	152	150	155	139	163	173	167	162	154	153	136	154	.172
1978	4.30	108,547	124	128	135	138	170	194	201	198	182	172	149	143	161	.180
1979	4.34	109,313	145	142	143	162	180	203	206	206	203	177	161	162	174	.195
1980	4.36	110,017	143	142	143	161	161	189	212	199	177	176	160	143	167	.187
AVERAGE 1978-1980	4.33	109,292	137	137	140	154	170	195	206	201	187	175	157	149	167	.187

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ #/aca - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY GLENDALE

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER GLENDALE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 132,6641980 138,100

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

Crescent Valley Water District

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			471.6	475.7	546.0	645.7	790.6	762.7	900.2	959.6	802.1	677.4	562.0	431.8	8,025.4
1971	30,744		477.2	489.7	594.6	653.2	668.2	788.3	944.3	947.5	839.3	689.4	548.8	495.4	8,135.9
1972	30,763		481.8	550.2	668.4	700.3	776.8	751.7	920.2	864.0	749.8	616.1	490.9	517.8	8,088.0
1973	30,732		463.4	408.3	425.4	622.9	714.1	855.8	827.4	738.2	585.6	625.9	470.4	440.0	7,177.4
1974	30,705		427.4	484.7	448.7	561.7	671.4	730.2	837.4	762.1	702.7	482.9	568.0	553.0	7,230.2
1975	30,703		572.9	468.0	528.7	519.6	767.1	811.1	1008.4	947.8	844.2	755.3	684.9	628.1	8,536.1
1976	30,787		667.4	495.7	647.6	632.4	819.6	937.4	1006.8	915.9	628.9	676.0	637.1	625.6	8,690.4
1977	30,919		497.3	544.9	554.3	602.1	479.0	670.5	816.1	745.5	673.2	647.8	603.0	504.4	7,338.1
1978	30,845		443.6	382.5	381.0	401.9	436.3	675.1	767.0	937.0	726.0	781.7	583.8	531.6	7,047.5
1979	31,090		433.3	408.2	374.8	418.7	520.7	738.0	757.8	989.4	774.8	813.7	557.4	576.6	7,363.4
1980	31,242		515.7	474.3	412.6	488.1	534.2	672.4	757.6	1018.3	752.2	799.5	609.4	677.4	7,711.7

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpc ^{2/}
1970		123,603	123	137	142	174	206	206	235	250	216	177	152	113	178	.199
1971	4.00	122,910	125	142	156	177	175	214	248	249	228	181	149	130	181	.203
1972	3.97	122,090	127	155	177	191	205	205	243	228	205	163	134	137	181	.203
1973	3.94	121,159	123	120	113	171	190	235	220	197	161	167	129	117	162	.181
1974	3.95	121,320	114	143	119	154	179	201	223	203	193	128	156	147	163	.183
1975	4.02	123,400	150	135	138	140	201	219	264	248	228	197	185	164	190	.213
1976	4.09	125,981	171	136	166	167	210	248	258	235	166	173	169	160	188	.211
1977	4.04	124,923	128	156	143	161	124	179	211	193	180	167	161	130	161	.180
1978	4.13	127,329	112	107	97	105	111	177	194	237	190	198	153	135	152	.170
1979	4.13	128,402	109	114	94	109	131	192	190	249	201	204	145	145	157	.176
1980	4.15	129,763	128	126	103	125	133	173	188	253	193	199	157	168	162	.181
AVERAGE	4.14	128,498	116	116	98	113	125	181	191	246	195	200	152	149	157	.176

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpc - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY GLENDDORA

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER GLENDDORA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 32,1431980 38,500

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ XALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐OTHER WATER SERVICE AGENCY (\$3) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			133.2	156.3	171.6	247.3	335.1	323.8	424.4	426.0	360.7	247.1	190.2	102.4	3,118.1
1971			125.1	153.2	189.0	220.0	223.9	282.0	409.7	428.5	342.7	258.9	179.9	168.5	2,981.4
1972			171.7	208.7	280.7	301.8	355.7	367.8	458.0	381.2	309.0	246.6	184.2	180.1	3,445.5
1973			159.5	135.2	157.6	262.0	363.7	430.7	488.6	443.1	330.0	324.7	220.2	185.7	3,501.0
1974			148.8	197.4	166.4	263.9	302.3	402.3	480.9	433.5	394.8	271.6	222.3	206.4	3,490.6
1975			215.2	168.3	175.6	169.1	288.8	364.3	494.1	336.6	227.0	257.0	161.1	270.5	3,127.6
1976			275.0	161.0	257.0	227.0	337.0	494.0	297.0	488.0	252.0	260.0	241.0	327.0	3,620.0
1977			157.0	211.0	184.0	283.0	173.0	296.0	410.0	303.0	351.0	249.0	222.0	183.0	3,022.0
1978			156.5	128.9	139.5	145.9	381.7	443.4	481.7	393.1	394.0	280.8	179.0	194.8	3,319.3
1979			158.0	137.6	168.1	255.1	338.1	313.3	525.7	391.5	436.8	287.9	246.0	236.4	3,494.5
1980			207.8	236.0	190.9	315.7	300.0	270.1	649.6	464.5	342.7	306.5	344.5	243.3	3,871.6

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970		37,660	114	148	147	219	287	287	364	365	319	212	168	88	227	.254
1971		38,782	104	141	157	189	186	242	341	356	295	215	155	140	211	.236
1972		38,881	142	185	233	259	295	315	380	316	265	205	158	149	242	.271
1973		39,323	131	123	129	222	298	365	401	363	280	266	187	152	244	.273
1974		39,728	121	177	135	221	245	338	390	352	331	221	187	168	241	.270
1975		40,205	173	150	141	140	232	302	396	270	188	206	134	217	213	.239
1976		40,267	224	138	206	188	270	409	238	391	209	208	200	262	246	.276
1977		41,100	123	183	144	230	136	240	322	238	285	195	180	144	201	.225
1978		41,646	121	111	108	117	296	355	373	304	315	218	143	151	218	.244
1979		42,792	119	115	127	199	255	244	396	295	340	217	192	178	224	.251
1980		43,021	156	189	143	245	225	209	487	348	266	230	267	182	246	.276
AVERAGE 1978-1980		42,486	132	138	126	187	259	269	419	316	307	222	201	170	229	.256

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY CENSUS POPULATION

1970 74,863CITY HERMOSA BEACH AND REDONDO BEACH1980 75,350HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANYType COMMERCIAL WATER COMPANY (HERMOSA-REDONDO SYSTEM)

OTHER WATER SERVICE AGENCY (\$\$) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	21,898		291.7	292.6	325.2	397.0	444.9	428.9	479.6	477.7	430.2	386.3	333.8	277.9	4,565.8
1971	21,838		300.9	294.5	355.6	375.6	405.3	429.3	484.4	487.7	424.1	388.9	342.3	298.5	4,587.1
1972	21,988		310.9	318.1	369.4	409.4	441.5	422.4	498.8	488.9	413.7	380.2	321.1	313.9	4,688.1
1973	22,000		307.2	260.7	293.8	375.4	410.6	440.4	471.3	462.2	418.9	376.4	313.9	300.8	4,431.6
1974	22,135		281.8	311.3	308.9	379.8	427.2	452.4	486.9	462.0	423.0	376.4	347.9	308.9	4,566.5
1975	22,251		328.4	284.0	316.0	333.2	428.4	439.2	490.4	475.2	428.6	397.1	360.8	348.8	4,630.1
1976	22,251		392.0	317.0	381.2	380.6	457.7	487.0	492.9	482.7	368.2	385.3	359.9	372.0	4,876.5
1977	22,309		321.5	306.5	332.6	343.6	323.3	357.1	395.7	365.0	347.5	340.3	324.3	295.4	4,052.8
1978	22,433		266.5	252.3	259.1	267.5	308.8	399.9	414.9	403.2	381.6	379.4	337.2	291.5	3,961.9
1979	22,497		289.2	266.9	273.0	299.3	362.3	415.5	444.3	429.2	440.4	386.7	348.4	367.3	4,322.5
1980	22,644		319.1	295.6	288.8	332.7	378.6	421.1	450.0	448.0	437.2	394.8	373.9	357.8	4,497.6

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	apca ^{2/}
1970	3.46	75,850	124	138	138	174	189	188	204	203	189	164	147	118	165	.185
1971	3.42	74,666	130	141	154	168	175	192	209	211	189	168	153	129	168	.188
1972	3.41	75,088	134	146	159	182	190	188	214	210	184	163	143	135	171	.192
1973	3.42	75,283	132	124	126	166	176	195	202	198	185	161	139	129	161	.180
1974	3.40	75,214	121	148	132	168	183	200	209	198	187	161	154	132	166	.186
1975	3.39	75,427	140	134	135	147	183	194	210	203	189	170	159	149	168	.188
1976	3.39	75,504	167	145	163	168	196	215	211	206	163	165	159	159	176	.197
1977	3.38	75,472	137	145	142	152	138	158	169	156	153	145	143	126	147	.165
1978	3.37	75,566	114	119	111	118	132	176	177	172	168	162	149	124	144	.161
1979	3.36	75,590	123	126	117	132	155	183	190	183	194	165	154	157	157	.176
1980	3.35	75,850	136	134	123	146	161	185	191	191	192	168	164	152	162	.181
AVERAGE	3.36	75,669	124	126	117	132	149	181	186	182	185	165	156	144	154	.172

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} apca - ACRE-Feet PER CAPITA ANNUALLY

7-77656

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY HUNTINGTON PARK

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER HUNTINGTON PARK

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 33,744

1980 45,150

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ W

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Southern California Water Co., Maywood Mutual
Water Co. No. 1, Tract 349

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			112	92	110	127	139	148	147	150	157	125	139	106	1,552.0
1971			120	83	104	97	131	111	134	141	164	134	141	107	1,467.0
1972			128	93	118	106	132	126	156	135	155	131	138	100	1,518.0
1973			123	88	122	86	132	118	135	155	124	148	102	132	1,465.0
1974			84	127	90	131	115	157	157	141	164	127	147	105	1,545.0
1975 ^{3/}			129.1	92.5	132.5	85.5	126.4	104.5	166.6	149.6	169.5	130.5	147.5	112.5	1,546.7
1976 ^{3/}			132.5	101.5	135.6	87.6	130.5	109.6	169.6	154.6	171.6	134.6	150.5	114.5	1,592.7
1977 ^{3/}			134.5	112.4	138.5	88.4	132.3	110.3	167.3	156.3	170.3	137.3	152.3	111.2	1,611.1
1978 ^{4/}			133.6	131.9	157.9	156.1	199.1	195.3	246.4	212.0	201.4	186.3	157.1	155.7	2,132.8
1979 ^{4/}			134.1	119.6	144.1	158.5	180.5	196.8	205.2	193.2	206.9	194.7	150.6	188.1	2,072.3
1980 ^{4/}			181.8	173.0	131.0	158.5	152.2	234.7	242.8	250.5	193.0	160.6	169.3	147.7	2,195.1

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) ^{1/}														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	atpca ^{2/}	
1970		32,434	109	101	109	131	138	152	146	149	161	124	143	105	131	.147	
1971		33,655	115	88	100	96	126	110	128	135	162	128	140	103	119	.133	
1972		34,672	119	92	110	102	123	121	145	126	149	122	133	93	120	.134	
1973		35,933	110	87	110	80	119	109	121	139	115	133	95	119	112	.125	
1974		37,203	73	122	78	117	100	141	136	122	147	110	132	91	114	.128	
1975		38,451	108	86	111	74	106	91	140	126	147	109	128	94	110	.123	
1976		39,751	108	88	110	73	106	92	138	125	144	109	126	93	109	.122	
1977		41,028	106	98	109	72	104	90	132	123	138	108	124	87	108	.121	
1978		52,135	83	90	98	100	123	125	152	131	129	115	100	96	112	.125	
1979		53,417	81	80	87	99	109	123	124	117	129	118	94	114	106	.119	
1980		54,783	107	109	77	96	90	143	143	148	117	95	103	87	109	.122	
AVERAGE 1978-1980		53,445	90	93	87	98	107	130	140	132	125	109	99	99	109	.122	

^{1/} gpcd -- GALLONS PER CAPITA PER DAY

^{2/} atpca -- ACRE-Feet PER CAPITA ANNUALLY

^{3/} INCLUDES PRODUCTION FROM SOUTHERN CALIFORNIA WATER COMPANY

^{4/} INCLUDES PRODUCTION FROM THE SOUTHERN CALIFORNIA WATER COMPANY AND THE WALNUT PARK MUTUAL WATER COMPANY, WITH SUBSEQUENT POPULATION INCREASE.

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY INGLEWOOD

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER INGLEWOOD

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 90,000

1980 94,300

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Southern California Water Company

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			399	173	325	310	412	383	450	444	423	378	311	252	4,260.0
1971	14,520		273	253	314	335	366	390	439	457	400	350	314	271	4,162.0
1972	41,518		277	281	323	352	382	375	423	412	381	330	282	266	4,084.0
1973			256	229	254	312	362	396	400	393	363	315	267	252	3,799.0
1974	14,518		244	219	241	296	344	370	416	395	375	311	293	255	3,759.0
1975	14,530		263	223	244	270	340	353	395	377	337	310	285	274	3,671.0
1976	14,525		289	235	272	263	361	379	402	380	284	307	290	290	3,752.0
1977	14,523		245	238	254	291	255	288	327	296	276	281	271	245	3,267.0
1978	14,531		226.3	206.6	235.2	238.6	262.7	353.7	352.5	331.3	306.1	285.0	247.9	245.0	3,290.9
1979	14,589		256.1	215.8	237.3	263.7	304.6	330.0	353.7	349.3	309.6	281.2	270.1	263.4	3,434.8
1980	14,589		258.5	233.8	305.3	364.6	297.2	339.9	377.8	382.1	306.0	314.4	304.1	250.9	3,734.6

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970		63,495	203	97	165	163	209	201	229	226	222	192	163	128	184	.206
1971	4.79	69,610	127	130	146	160	170	187	203	212	192	162	150	126	164	.184
1972	4.82	70,049	128	138	149	168	176	178	195	190	181	157	134	122	159	.178
1973		70,412	117	116	116	148	166	187	183	180	172	144	126	115	148	.166
1974	4.87	70,703	111	111	110	140	157	174	190	180	177	142	138	116	146	.164
1975	4.89	71,052	119	112	111	127	154	166	179	171	158	141	134	124	142	.159
1976	4.92	71,463	130	113	123	123	163	177	181	172	132	139	135	131	143	.160
1977	4.94	71,744	110	118	114	135	115	134	147	133	128	126	126	110	125	.140
1978	4.96	72,074	101	102	105	110	118	164	158	148	142	128	115	110	125	.140
1979	4.98	72,653	114	106	105	121	135	151	157	155	142	125	124	117	130	.146
1980	5.00	73,016	114	110	135	166	131	155	167	169	140	139	139	111	140	.157
AVERAGE 1978-1980	4.98	72,581	110	106	115	132	128	157	161	157	141	131	126	113	132	.148

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY LAKEWOOD

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER LAKEWOOD

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION
1970 83,025
1980 24,500

SYSTEM SERVICES:
ALL ACCOUNTS IN CITY ☒
ALL ACCOUNTS IN CITY + OUTSIDE ☐
PARTLY IN CITY ONLY ☐
OTHER

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Southern California Water Company

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	19,108		175	138	221	285	348	336	384	404	350	256	224	179	3,350.0
1971	19,300		190	194	246	262	289	330	391	411	333	282	227	194	3,362.0
1972	19,315		198	215	266	295	345	334	354	373	305	256	205	176	3,322.0
1973	19,328		179	195	241	266	312	302	356	351	301	248	209	155	3,115.0
1974	19,333		163	191	215	240	348	352	475	475	432	346	303	216	3,756.0
1975	19,350		216	259	303	346	476	476	341	375	340	273	238	170	3,813.0
1976	19,372		222	170	215	218	265	334	339	343	231	252	223	217	3,029.0
1977	19,369		174	174	181	214	197	245	228	254	235	224	209	173	2,568.0
1978	19,400		146.0	136.1	148.5	173.1	278.6	366.7	336.7	319.9	274.2	241.6	180.9	178.8	2,781.1
1979	19,409		162.9	151.4	174.9	218.5	281.1	318.2	328.2	313.5	299.0	236.5	207.0	212.8	2,904.0
1980	19,368		177.9	160.0	182.8	231.8	260.2	318.5	353.3	331.8	277.0	250.0	228.5	189.1	2,960.9

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	ofpcd ^{2/}
1970	3.51	67,000	84	100	106	142	168	167	185	195	174	123	111	86	137	.153
1971	3.45	66,495	92	104	119	131	140	169	190	199	169	137	114	94	139	.156
1972	3.40	65,720	97	113	131	150	169	169	174	183	155	126	104	86	138	.155
1973	3.36	64,976	89	107	120	136	155	155	177	174	154	123	107	77	131	.147
1974	3.32	64,263	82	106	108	124	175	183	238	230	224	174	157	108	160	.179
1975	3.28	63,426	110	146	154	182	242	250	173	191	179	139	125	86	165	.184
1976	3.23	62,620	114	94	111	116	137	178	175	177	123	130	119	112	132	.148
1977	3.19	61,814	91	101	94	115	103	132	150	133	127	117	113	90	114	.128
1978	3.17	61,433	77	79	78	94	146	199	177	168	149	127	98	94	124	.139
1979	3.20	62,033	85	87	91	117	146	171	171	163	161	123	111	111	128	.143
1980	3.20	62,000	93	89	95	125	135	171	184	173	149	130	123	98	130	.146
AVERAGE	3.19	61,822	85	85	88	112	142	180	177	168	153	127	111	101	127	.142

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ af/pc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY LONG BEACH

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER LONG BEACH

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 358,879

1980 360,700

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ X

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			1401.0	1358.6	1564.2	1883.6	2113.3	2049.7	2282.7	2277.1	2074.6	1819.8	1578.1	1311.7	21,714.4
1971			1357.8	1320.8	1647.5	1723.8	1844.2	2023.2	2274.2	2352.6	2072.1	1813.4	1566.2	1391.5	21,387.3
1972			1423.3	1482.4	1709.4	1853.5	2040.7	2004.8	2267.2	2353.4	1846.1	1768.0	1438.2	1424.3	21,611.3
1973			1420.7	1207.0	1391.5	1711.0	1941.3	2081.4	2115.5	2085.4	1846.9	1766.3	1468.4	1383.1	20,418.5
1974			1294.9	1390.8	1405.0	1697.9	1892.6	2048.2	2234.2	2142.4	1950.6	1770.3	1562.4	1392.9	20,782.2
1975			1441.7	1255.3	1366.1	1405.5	1840.4	1917.6	2184.4	2138.1	1969.6	1754.5	1584.2	1491.6	20,349.0
1976			1672.0	1396.4	1626.0	1594.8	2007.2	2167.8	2233.7	2135.9	1719.6	1798.8	1764.2	1647.3	21,763.7
1977			1421.4	1372.2	1486.0	1578.1	1442.0	1635.1	1877.7	1717.8	1694.1	1648.3	1517.4	1405.6	18,795.7
1978			1252.3	1205.4	1398.5	1430.5	1951.6	2109.2	2158.2	2150.6	1823.2	1793.1	1432.4	1414.4	20,119.3
1979			1373.4	1222.6	1438.9	1607.3	1949.3	2063.6	2188.0	2038.6	1955.7	1836.5	1606.0	1628.7	20,908.6
1980			1423.2	1322.8	1459.7	1680.7	1814.4	2034.4	2271.0	2218.1	1996.8	1887.1	1775.4	1579.0	21,462.6

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpc 2/
1970		359,779	126	135	140	175	189	190	205	204	192	163	146	118	165	.185
1971		358,977	122	131	148	160	166	188	204	211	192	163	145	125	163	.183
1972		358,430	128	143	154	172	184	186	204	212	172	159	134	128	165	.185
1973		358,209	128	120	125	159	175	194	191	188	172	159	137	125	156	.175
1974		358,374	116	139	126	158	170	190	201	193	181	159	145	125	159	.178
1975		358,500	130	125	123	131	166	178	197	192	183	158	147	134	156	.175
1976		358,292	151	134	146	148	181	202	201	192	160	162	164	148	166	.186
1977		358,992	128	137	134	147	130	152	169	154	157	148	141	126	143	.160
1978		359,939	112	120	125	132	175	195	193	193	169	161	133	127	153	.171
1979		360,861	123	121	129	148	174	191	196	182	181	164	148	146	159	.178
1980		361,783	127	126	130	155	162	187	202	198	184	168	164	141	162	.181
AVERAGE 1979-1980		360,861	121	122	128	145	170	191	197	191	178	164	148	138	158	.177

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒ X

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY LOS ANGELES

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER LOS ANGELES

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 2,811,801

1980 2,966,763

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: ☐

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	610,219		12286	11821	13532	15991	18539	18125	20911	20897	18529	16205	13515	11350	191,701
1971	611,960		11999	12206	14632	15160	15860	17995	20423	20390	18135	16634	13705	12230	189,369
1972	608,642		12700	13230	15314	16110	18147	18150	21080	20094	17280	15196	12960	12896	193,157
1973	608,227		12304	10808	11889	14820	16491	19146	19787	19319	16635	16508	13233	12459	183,399
1974	608,539		10940	12627	11898	14946	16446	18486	20417	19201	17928	15119	14253	12884	185,145
1975	604,411		13702	11635	12217	12738	16777	17244	19662	19839	18138	16142	14949	14362	187,405
1976	601,431		15329	12987	14451	14823	17605	20199	20444	19554	15160	16189	15558	15081	197,380
1977	603,321		12739	14004	13497	14691	12147	14701	16403	15150	14091	13698	12967	11314	165,402
1978	606,250		10065	9360	10483	10943	15996	17738	19274	18569	16445	15834	12598	12678	169,983
1979	612,336		11576	10522	11967	14500	16715	18742	19203	18467	18150	16548	14069	14670	185,129
1980	620,224		12257	11977	14488	16915	16638	17541	21348	20530	17884	17654	15848	14414	197,454

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	4.65	2,835,200	140	149	154	188	211	213	238	238	218	184	159	129	185	.207
1971	4.67	2,857,853	135	153	165	177	179	210	231	230	212	188	160	138	182	.204
1972	4.69	2,853,314	144	160	173	188	205	212	238	227	202	172	151	146	185	.207
1973	4.70	2,861,708	139	135	134	173	186	223	223	218	194	186	154	140	176	.197
1974	4.72	2,872,913	123	157	134	173	185	214	229	216	208	170	165	145	177	.198
1975	4.74	2,863,699	154	145	138	148	189	201	221	223	211	182	174	162	179	.200
1976	4.76	2,861,609	173	156	163	173	198	235	230	220	177	182	181	170	188	.211
1977	4.78	2,880,858	143	174	151	170	136	170	184	170	163	153	150	127	157	.176
1978	4.79	2,902,725	112	115	116	126	178	204	214	206	189	176	145	141	160	.179
1979	4.81	2,944,833	127	128	131	164	183	212	210	202	205	181	159	161	172	.193
1980	4.83	2,995,357	132	138	156	188	179	195	230	221	199	190	176	155	180	.202
AVERAGE 1978-1980	4.81	2,947,638	124	127	134	159	180	204	218	210	198	182	160	152	171	.192

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY MANHATTAN BEACH

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER MANHATTAN BEACH

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 35,352

1980 31,400

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ **X**

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	11,117		124.2	122.8	138.7	173.4	195.1	191.3	210.5	207.8	186.7	171.6	152.6	118.5	1,993.2
1971	11,000		122.0	127.0	164.0	168.0	181.0	197.0	118.5	154.0	196.9	128.3	234.3	95.0	1,886.0
1972			84.9	61.9	95.4	87.1	143.9	107.0	174.7	171.6	144.0	211.2	129.4	144.5	1,555.6
1973	11,500		105.8	146.8	82.3	108.9	95.6	225.7	134.8	191.6	142.4	181.5	132.1	153.3	1,700.8
1974	12,000		92.2	120.0	84.2	121.6	95.6	148.7	158.8	207.1	139.3	203.5	129.1	148.7	1,648.8
1975	13,000		105.4	127.1	98.3	117.6	92.5	140.6	207.0	206.0	180.0	127.0	168.0	114.0	1,683.5
1976	11,370		151.7	121.9	147.9	148.8	180.6	184.4	189.6	193.4	140.6	148.9	135.6	140.2	1,883.6
1977	11,370		119.0	110.2	120.0	130.6	112.9	135.9	154.0	138.8	133.1	131.1	120.3	107.6	1,513.5
1978	11,350		97.1	90.9	99.4	101.7	159.3	168.1	177.6	171.4	152.8	144.4	113.1	113.7	1,589.5
1979	11,338		111.1	94.5	109.5	135.9	163.6	175.6	183.8	185.4	175.3	149.9	135.6	137.5	1,757.7
1980	11,354		112.1	111.8	116.3	147.3	159.3	182.2	195.8	187.4	162.6	155.8	153.1	134.6	1,818.3

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	atpca ^{2/}
1970	3.18	35,352	113	124	127	164	178	180	192	190	176	157	144	108	154	172
1971	3.54	38,928	101	117	136	144	150	169	98	128	169	106	201	79	133	149
1972		37,830	72	56	81	77	123	94	149	146	127	180	114	123	112	125
1973	3.22	37,044	92	142	72	98	83	203	117	167	128	158	119	133	126	141
1974	3.06	36,740	81	117	74	110	84	135	139	182	126	179	117	131	123	138
1975	2.68	34,842	98	130	91	113	86	135	192	191	172	118	161	106	132	148
1976	2.97	33,819	145	124	141	147	172	182	181	184	139	142	134	134	152	170
1977	2.84	32,277	119	122	120	135	113	140	154	139	137	131	124	108	128	143
1978	2.80	31,791	99	102	101	107	162	176	180	174	160	147	119	115	137	153
1979	2.75	31,134	115	108	113	146	170	188	190	192	188	155	145	142	155	174
1980	2.78	31,545	115	122	119	156	163	193	200	192	172	159	162	138	157	176
AVERAGE	2.78	31,490	110	111	111	136	165	186	190	186	173	154	142	132	150	168

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} atpca - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY MONTEREY PARK

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER MONTEREY PARK
Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION
1970 49,166
1980 54,338

SYSTEM SERVES:
ALL ACCOUNTS IN CITY ☒
ALL ACCOUNTS IN CITY + OUTSIDE ☐
PARTLY IN CITY ONLY ☐
OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)													ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
1970	12,435		3/												2,744.8	
1971	11,337		171.1	164.6	200.9	212.1	225.6	262.8	311.5	323.0	275.9	245.7	200.5	172.2	2,765.9	
1972			176.7	188.3	222.5	240.0	264.8	269.6	323.2	228.8	251.6	224.1	182.7	176.2	2,748.5	
1973			168.0	144.1	156.4	210.2	248.6	287.1	296.2	296.0	247.2	241.6	187.9	173.1	2,656.4	
1974	11,733		150.5	166.9	159.1	213.9	234.4	277.6	315.0	290.4	267.2	221.0	198.5	173.9	2,668.4	
1975	11,730		182.8	151.2	166.9	170.6	238.6	259.6	308.6	299.3	271.0	227.8	209.3	198.4	2,684.1	
1976	11,710		219.9	170.1	195.4	202.5	261.3	304.2	316.7	301.8	217.8	230.1	213.3	209.8	2,842.9	
1977	11,786		171.6	170.6	179.3	197.7	171.7	210.9	251.0	288.5	210.5	211.9	197.2	172.7	2,373.6	
1978	11,887		150.8	140.8	161.7	160.9	238.4	277.4	303.8	288.6	251.6	241.5	184.6	182.4	2,582.5	
1979	12,084		169.4	152.8	172.7	205.2	250.2	282.5	300.8	288.1	286.8	232.7	213.2	219.2	2,773.6	
1980	12,134		183.6	171.0	182.9	224.4	224.8	286.5	320.3	314.1	266.9	267.6	242.8	220.7	2,905.6	

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) 1/														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/	
1970	3.95	49,176													153	.171	
1971	4.31	48,867	113	120	133	145	149	179	206	213	188	162	137	144	155	.174	
1972		48,588	117	134	148	165	176	185	215	152	173	149	125	117	155	.174	
1973		48,249	112	107	105	145	166	198	198	198	171	162	130	116	151	.169	
1974	4.09	47,940	101	124	107	149	158	193	212	195	186	149	138	117	152	.170	
1975	4.22	49,461	119	109	109	115	156	175	201	195	183	149	141	129	149	.167	
1976	4.26	49,925	142	117	126	135	169	203	205	195	145	149	142	136	156	.175	
1977	4.30	50,735	109	120	114	130	109	139	160	145	138	135	130	110	128	.143	
1978	4.33	51,456	95	98	101	104	149	180	190	181	163	151	120	114	138	.155	
1979	4.40	53,139	103	103	105	129	152	177	183	175	180	141	134	133	143	.160	
1980	4.48	54,369	109	108	109	138	133	176	190	186	164	159	149	131	146	.164	
AVERAGE	4.40	52,988	102	103	105	124	145	178	188	181	169	150	134	126	142	.159	

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ afpc - ACRE-Feet PER CAPITA ANNUALLY
3/ MONTHLY DATA NOT AVAILABLE

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY CENSUS POPULATION

1970 8,511CITY PALMDALE1980 12,277HYDROLOGIC STUDY AREA SOUTH LAHONTAN

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER PALMDALE COUNTY WATER DISTRICTType COUNTY WATER DISTRICT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	5,472														1,530.0
1972	5,501														1,507.0
1973	5,657														1,457.0
1974	5,797														1,659.0
1975	5,827														1,582.0
1976	5,845														1,610.0
1977	5,874														1,510.0
1978	5,913														1,614.0
1979	6,031														1,657.0
1980	6,151														1,699.0

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	2.95	16,137													260	.291
1972	2.94	16,167													255	.286
1973	2.93	16,569													241	.270
1974	2.92	16,933													268	.300
1975	2.91	16,974													255	.286
1976	2.90	16,950													260	.291
1977	2.90	17,011													243	.272
1978	2.88	17,023													260	.291
1979	2.87	17,315													262	.293
1980	2.87	17,668													263	.295
AVERAGE 1978-1980	2.87	17,335													262	.293

^{1/} gpcd - GALLONS PER CAPITA PER DAY
^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐
 EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
 AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY PASADENA

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER PASADENA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 112,9511980 117,800

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: ☐

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	37,233		691.1	690.8	671.1	708.0	742.3	972.5	1034.4	1116.7	1227.1	775.7	754.9	630.0	10,014.6
1971	36,680		646.4	675.5	825.6	852.9	903.5	1109.0	1372.6	1396.6	1194.9	1013.8	784.8	620.7	11,401.3
1972	36,477		645.8	647.7	924.9	996.6	1094.5	1094.2	1361.6	1286.8	1087.1	957.8	735.0	690.3	11,522.3
1973	36,234		628.4	522.8	558.4	841.7	1005.3	1163.8	1296.3	1233.7	1003.3	708.6	708.6	645.1	10,316.0
1974	36,249		560.3	647.0	629.0	846.8	985.3	1226.6	1396.0	1301.8	1218.8	887.1	821.4	752.3	11,272.4
1975	36,327		734.7	571.3	624.1	641.9	984.6	1080.6	1360.5	1377.9	1245.6	934.1	849.8	753.9	11,159.0
1976	36,376		881.1	637.5	794.5	801.9	1122.7	1343.1	1450.6	1345.8	850.8	934.7	854.6	880.3	11,897.6
1977	36,338		717.4	736.6	732.4	804.1	673.4	878.3	1104.6	998.6	959.4	900.3	835.7	671.7	10,012.5
1978	36,382		564.2	502.3	561.9	572.0	952.9	1202.4	1338.1	1239.6	1044.1	1024.9	724.8	704.1	10,431.3
1979	36,454		557.5	645.7	650.1	832.9	1009.1	1241.4	1304.6	1224.3	1238.2	905.3	751.2	757.6	11,117.9
1980	36,579		622.2	565.6	621.2	855.0	763.7	1147.5	1409.3	1251.6	1155.0	1046.0	942.2	753.6	11,132.9

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	atpcd ^{2/}
1970	3.66	136,200	164	181	159	173	176	238	245	264	300	184	185	149	201	.225
1971	3.71	136,154	153	177	196	209	215	272	325	331	293	240	192	147	229	.256
1972	3.74	136,483	153	164	219	243	259	267	322	304	266	226	180	163	231	.259
1973	3.79	137,392	148	136	131	204	236	282	304	290	243	166	172	151	206	.231
1974	3.78	137,073	132	169	148	206	232	298	329	306	296	209	200	177	225	.252
1975	3.81	138,290	171	148	146	155	230	260	317	321	300	218	205	176	221	.248
1976	3.85	139,867	203	157	183	191	259	320	335	310	203	216	204	203	232	.260
1977	3.88	140,957	164	187	168	190	154	208	253	229	227	206	198	154	195	.218
1978	3.91	142,236	128	126	127	134	216	282	303	281	245	232	170	160	201	.225
1979	3.93	143,395	125	161	146	194	227	289	293	275	288	204	175	170	212	.237
1980	3.98	145,510	138	134	138	196	169	263	312	278	265	232	216	167	209	.234
AVERAGE 1970-1980	3.94	143,714	130	140	137	175	204	278	303	278	266	223	187	166	207	.232

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} atpcd - ACRE-FEET PER CAPITA ANNUALLY* METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY POMONA

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER POMONA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 87,384

1980 92,742

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Southern California Water Co., Walnut Valley
Water District

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			522.9	496.5	581.5	689.6	818.9	834.2	974.8	969.8	851.1	731.7	591.1	481.5	8,526.6
1971			525.0	498.7	598.8	652.3	693.0	837.6	996.1	1034.5	877.9	731.7	575.5	515.9	8,537.0
1972			548.9	591.4	687.4	742.3	832.1	870.5	1020.4	949.2	759.3	670.6	556.9	531.0	8,759.7
1973			561.9	464.9	510.3	614.3	768.2	976.6	952.9	921.9	775.2	758.9	567.1	514.2	8,316.4
1974			491.3	520.1	533.3	672.7	725.9	892.5	957.5	914.9	855.6	692.2	580.2	511.8	8,348.0
1975			545.1	460.0	510.3	502.9	729.1	798.7	940.7	932.2	862.8	708.2	612.3	576.3	8,178.6
1976			659.1	518.8	613.7	642.0	813.7	949.7	959.8	963.6	692.7	702.3	627.9	613.7	8,757.0
1977			525.0	540.9	574.6	641.9	608.5	753.8	836.3	774.7	715.4	691.9	616.3	529.6	7,808.9
1978			500.1	451.0	512.6	515.0	774.9	892.9	962.8	886.5	710.0	712.7	512.3	493.1	7,923.9
1979			488.0	423.9	510.6	609.7	769.2	907.0	960.2	918.5	925.0	669.5	530.3	562.5	8,274.4
1980			476.2	437.2	464.2	606.9	637.9	840.2	953.3	976.8	756.2	723.1	625.3	563.0	7,991.2

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970		84,550	190	210	222	272	312	329	372	370	336	272	233	184	276	.309
1971		84,596	200	211	228	257	264	330	380	394	346	279	227	197	276	.310
1972		84,182	210	242	263	294	319	345	391	363	301	257	221	203	284	.318
1973		84,137	215	197	196	243	295	359	365	353	307	291	225	197	271	.304
1974		83,159	191	223	207	270	282	358	371	355	343	269	233	199	275	.308
1975		84,483	208	194	195	198	278	315	359	356	340	270	242	220	265	.297
1976		85,807	248	208	231	249	306	369	361	362	269	264	244	231	279	.313
1977		87,131	194	222	213	246	225	288	310	287	274	256	236	196	246	.276
1978		88,456	182	182	187	194	283	336	351	323	268	260	193	180	245	.275
1979		89,780	175	169	183	226	276	337	345	330	343	241	197	202	253	.283
1980		91,772	167	164	163	220	224	305	335	319	275	254	227	198	238	.267
AVERAGE 1978-1980		90,003	175	172	178	213	261	326	344	324	295	252	206	193	245	.275

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY SANTA MONICA

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER SANTA MONICA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 88,289

1980 88,314

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	15,286	15,251	408.1	303.2	432.1	476.9	518.5	471.2	530.2	526.3	509.8	484.1	435.5	382.0	5,477.9
1971	15,472	15,435	408.9	386.2	457.4	462.1	489.3	499.4	562.6	569.5	514.1	506.5	455.8	418.7	5,730.5
1972	15,404	15,367	436.4	426.7	473.2	483.8	530.3	524.6	576.8	573.0	523.9	504.0	441.4	446.7	5,940.8
1973	15,411	15,374	432.2	369.4	424.9	470.5	514.2	521.1	532.5	530.9	490.5	496.9	434.8	424.4	5,642.3
1974	15,416	15,379	395.2	404.2	398.7	474.2	486.8	519.2	553.4	533.7	498.3	474.7	454.9	430.4	5,623.7
1975	15,428	15,391	452.8	371.7	410.2	424.2	503.5	468.4	530.4	526.3	481.7	453.3	438.3	411.9	5,472.7
1976	15,453	15,416	457.2	366.2	443.1	436.2	509.1	524.0	531.7	535.0	440.3	470.0	447.7	464.5	5,625.0
1977	15,487	15,450	407.0	377.8	404.0	402.0	404.5	400.2	434.7	394.2	381.2	419.2	373.5	360.3	4,759.0
1978	15,437	15,400	337.3	302.1	334.4	343.6	452.2	474.8	484.4	489.7	457.1	427.6	381.8	387.1	4,872.1
1979	15,405	15,368	365.2	329.9	387.0	423.0	467.0	474.0	513.0	507.3	488.6	454.9	406.5	419.3	5,235.7
1980	15,178	15,139	375.3	338.3	351.0	476.0	446.4	481.6	538.9	535.8	430.7	473.3	439.6	485.8	5,372.7

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970	5.79	88,489	149	122	158	180	189	177	193	192	192	176	164	139	170	.190
1971	5.75	89,000	148	155	166	173	177	187	204	206	193	184	171	152	176	.197
1972	5.82	89,700	157	164	170	180	191	195	207	206	195	181	164	161	181	.203
1973	5.87	90,400	154	146	152	173	183	192	190	189	181	177	160	151	171	.192
1974	5.93	91,400	139	158	141	173	172	189	195	188	182	168	166	152	169	.189
1975	5.98	92,200	158	144	144	153	176	169	186	184	174	159	158	144	163	.183
1976	5.95	91,900	160	137	156	158	179	190	187	188	160	165	162	163	167	.187
1977	5.92	91,700	143	147	142	146	142	145	153	139	139	147	136	127	142	.159
1978	5.91	91,300	119	118	118	125	160	173	171	173	167	151	139	137	146	.164
1979	5.87	90,500	130	130	138	156	166	175	183	181	180	162	150	149	159	.178
1980	5.82	88,300	137	132	128	180	163	182	197	196	163	173	166	177	166	.186
AVERAGE 1978-1980	5.87	90,033	129	127	128	154	163	177	184	183	170	162	152	154	157	.176

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY SOUTH GATE

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER CITY OF SOUTH GATE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 56,909

1980 66,784

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Southern California Water Co.

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			<u>3/</u>												
1971	13,650		230.0	204.0	183.0	258.0	291.0	259.0	385.5	388.7	356.5	326.6	274.6	257.1	3,414.0
1972	13,660		248.4	278.2	315.4	318.6	348.6	347.0	403.1	316.7	353.1	295.9	301.7	232.4	3,759.1
1973	13,547		242.9	194.9	220.8	207.0	269.0	292.5	314.0	315.1	299.0	317.0	315.0	217.6	3,204.8
1974	13,580		221.7	189.0	237.3	204.8	281.8	139.8	308.3	300.5	348.2	289.2	292.7	209.5	3,022.8
1975	13,587		230.0	171.4	204.8	183.6	238.5	231.4	354.3	331.3	271.5	297.5	242.1	250.0	3,006.4
1976	13,655		278.4	221.3	273.6	301.8	311.0	315.5	359.6	335.6	272.3	303.5	287.9	291.1	3,551.6
1977	13,523		237.3	224.6	256.5	276.9	237.2	277.6	308.5	296.3	283.0	257.6	264.0	246.4	3,165.9
1978	13,821		263.8	217.4	215.4	157.7	257.1	267.3	308.5	296.3	283.0	257.6	264.4	246.4	3,034.9
1979			263.8	217.4	257.4	234.7	325.9	358.5	311.5	301.3	294.0	287.5	260.3	240.5	3,352.8
1980	15,673		210.8	200.4	262.2	240.2	390.5	360.2	384.9	277.0	273.9	347.2	292.4	318.4	3,558.1

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970																
1971	3.74	50,988	146	143	116	169	184	169	244	246	233	207	180	163	183	.205
1972	3.71	50,697	158	189	201	209	222	228	256	202	232	188	198	148	203	.227
1973	3.72	50,367	156	138	141	137	172	194	201	202	198	203	208	139	174	.195
1974	3.73	50,593	141	133	151	135	180	92	197	192	229	184	193	134	164	.184
1975	3.74	50,748	146	121	130	121	152	152	225	211	178	189	159	159	162	.181
1976	3.76	51,286	175	149	172	196	196	205	226	211	177	191	187	183	189	.212
1977	3.80	51,431	149	156	161	179	149	180	193	186	183	162	171	155	169	.189
1978	3.95	54,550	156	142	127	96	152	163	182	175	173	152	162	146	152	.170
1979		57,592	148	135	144	136	183	207	174	169	170	161	151	135	159	.178
1980	3.87	60,634	112	114	139	132	208	198	205	147	151	185	161	169	160	.179
AVERAGE 1978-1980	3.91	57,592	139	130	137	121	181	189	187	164	165	166	158	150	157	.176

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-FEET PER CAPITA ANNUALLY

3/ DATA NOT AVAILABLE

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY LOS ANGELES

CITY TORRANCE

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER TORRANCE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 134,968

1980 131,497

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
California Water Service Company

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	22,144		503.6	498.4	593.8	681.1	752.0	763.8	801.7	775.3	716.4	654.5	587.7	499.4	7,827.8
1971	22,376		531.9	503.7	619.7	670.1	695.4	743.0	815.2	810.8	738.6	679.7	588.4	539.1	7,953.6
1972	22,567		552.3	559.3	656.8	696.1	775.6	732.2	824.7	835.9	693.7	675.0	582.5	582.0	8,166.1
1973	22,621		568.7	449.4	536.0	654.7	721.1	757.1	775.7	761.3	657.8	643.4	547.9	506.2	7,579.3
1974	22,852		468.3	516.2	521.1	631.3	706.1	715.1	774.0	769.9	683.2	616.9	566.3	542.9	7,511.3
1975	21,708		531.0	452.6	477.2	503.6	657.3	641.8	724.6	671.0	629.0	589.5	534.2	505.0	6,916.8
1976	23,447		556.0	481.4	590.8	545.7	668.8	712.0	741.1	720.2	533.0	573.2	542.5	591.3	7,256.0
1977	23,577		464.1	453.5	520.4	532.3	479.5	538.2	592.3	575.8	537.3	523.1	507.9	468.6	6,193.0
1978	23,820		391.5	353.5	413.5	439.2	625.1	667.9	700.6	670.8	605.0	600.3	497.6	492.0	6,457.0
1979	23,842		421.1	523.6	393.9	529.2	639.2	706.6	718.6	673.1	690.6	582.7	537.0	589.3	7,004.9
1980	23,916		495.7	461.2	520.6	620.0	641.1	677.5	791.0	811.3	664.9	649.2	630.6	555.3	7,518.4

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpc/a ^{2/}
1970	5.84	129,220	126	138	148	176	188	197	200	194	185	163	152	125	166	.186
1971	5.76	128,858	133	140	155	173	174	192	204	203	191	170	152	135	169	.189
1972	5.72	129,140	138	149	164	180	194	189	206	209	179	169	150	145	173	.194
1973	5.73	129,520	142	124	133	168	180	195	193	190	169	160	141	126	160	.179
1974	5.62	128,480	118	143	131	164	177	186	194	193	177	155	147	136	160	.179
1975	5.82	126,350	136	128	122	133	168	169	185	171	166	151	141	129	150	.168
1976	5.26	123,345	145	135	155	147	175	192	194	188	144	150	147	155	161	.180
1977	5.23	123,340	121	131	136	144	125	145	155	151	145	137	137	123	138	.155
1978	5.15	122,660	103	103	109	119	164	182	184	176	164	158	135	129	144	.161
1979	5.20	123,890	110	151	103	142	166	190	187	175	186	152	144	153	155	.174
1980	5.24	125,310	128	127	134	165	165	180	204	209	177	167	168	143	164	.184
AVERAGE	5.20	123,953	114	127	115	142	165	184	192	187	176	159	149	142	154	.172

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpc a - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MADERA

CITY CENSUS POPULATION

CITY MADERA

1970

1980 21,900HYDROLOGIC STUDY AREA SAN JOAQUIN

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER MADERAType MUNICIPAL WATER DISTRICT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1980															
1981	7,254		124	84	72	129	304	359	475	346	206	206	104	102	2,511
1982	7,589		87	78	94	148	232	278	324	353	226	142	90	89	2,141
1983															
1984															
1985															
1986															
1987															
1988															
1989															
1990															

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1980																
1981	3,109	22,550	177	133	103	191	435	531	679	509	304	295	154	146	305	.342
1982	3,110	23,600	119	118	128	209	317	393	443	483	319	194	127	122	249	.279
1983																
1984																
1985																
1986																
1987																
1988																
1989																
1990																
AVERAGE 1981-1982	3,111	23,077	148	126	116	200	376	462	561	496	312	245	141	134	277	.310

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
AND OTHER AGENCIES

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MARIN

CITY NOVATO

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER NORTH MARIN COUNTY WATER DISTRICT

Type COUNTY WATER DISTRICT

CITY CENSUS POPULATION

1970 31,006

1980 43,916

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: ☐

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	9,343		92.8	85.7	103.1	126.4	179.4	233.9	263.1	254.9	227.0	164.8	115.4	99.5	1,946.0
1972	9,787		105.1	98.7	131.4	149.2	226.9	252.1	264.7	262.7	204.7	120.4	100.0	108.6	2,024.5
1973	10,476		100.1	84.4	99.1	154.0	235.4	277.4	289.6	264.2	214.9	150.5	108.6	107.8	2,086.0
1974	11,101		110.1	100.5	115.6	134.0	239.9	281.2	281.3	286.9	246.8	199.6	119.7	120.7	2,236.3
1975	11,644		123.4	107.6	119.2	132.9	249.9	279.4	289.7	285.5	254.2	152.2	118.9	131.0	2,243.9
1976	12,343		144.0	128.7	148.5	165.2	276.4	300.8	313.4	268.2	252.4	186.3	158.8	163.0	2,505.7
1977	12,892		141.9	99.8	101.9	104.6	107.4	161.9	194.4	188.4	146.9	134.9	102.7	99.7	1,584.5
1978	13,432		101.7	85.8	103.5	105.4	212.8	262.3	279.1	264.8	213.8	199.9	137.0	131.9	2,098.0
1979	14,065		125.6	115.2	125.6	148.3	238.7	304.2	374.5	296.1	271.4	242.3	116.1	136.9	2,494.9
1980	14,495		134.9	127.7	151.5	181.1	241.4	291.6	317.7	310.8	271.4	228.1	186.4	155.1	2,597.7

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	3.76	35,130	85	87	95	120	165	222	242	234	215	151	109	91	152	.170
1972	3.71	36,310	93	94	117	137	202	231	235	233	188	107	92	96	152	.170
1973	3.66	38,342	84	79	83	134	198	241	244	222	187	127	94	91	149	.167
1974	3.61	40,075	89	90	93	111	193	234	226	231	205	161	100	97	153	.171
1975	3.56	41,453	96	93	93	107	194	225	225	222	204	118	96	102	148	.166
1976	3.51	43,324	107	102	111	127	206	231	233	200	194	139	122	121	158	.177
1977	3.44	44,348	103	80	74	79	78	122	141	137	110	98	77	73	98	.110
1978	3.37	45,266	72	68	74	78	152	193	199	189	157	142	101	94	127	.142
1979	3.30	46,414	87	89	87	107	166	210	260	206	195	160	83	95	147	.165
1980	3.23	46,819	93	94	104	129	166	208	219	214	193	157	133	107	152	.170
AVERAGE 1978-1980	3.30	46,166	84	84	88	105	161	206	226	203	182	156	106	99	142	.159

1/ gpcd - GALLONS PER CAPITA PER DAY
 2/ afpcd - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐
 EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MARIN

CITY CAUSALITO, MILL VALLEY, SAN RAFAEL, AND OTHER CITIES

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER MARIN MUNICIPAL WATER DISTRICT

Type MUNICIPAL WATER DISTRICT

CITY CENSUS POPULATION

1970 NA

1980 _____

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ X

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER Several cities and towns

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	46,905		585	530	622	691	909	1,160	1,285	1,241	1,117	858	630	554	10,182
1972	47,754		566	526	670	704	1,010	1,081	1,239	1,188	955	649	564	597	9,749
1973	48,871		583	512	586	820	1,111	1,238	1,267	1,214	1,013	768	598	585	10,295
1974	49,980		568	522	591	653	1,076	1,243	1,224	1,248	1,109	940	618	600	10,392
1975	50,069		598	533	634	663	1,110	1,240	1,265	1,240	1,114	753	574	576	10,300
1976	50,487		662	576	590	583	774	763	790	685	680	634	549	549	7,835
1977	50,909		480	260	269	258	271	330	356	362	318	328	285	285	3,802
1978	51,342		330	341	410	422	638	795	864	888	744	699	526	474	2,131
1979	51,721		488	430	509	548	722	956	1,004	989	934	701	521	512	8,314
1980	52,060		498	479	552	622	806	999	1,023	1,017	892	839	658	531	8,916

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	spoon 2/
1970																
1971	3,593	168,526	112	112	119	137	174	229	246	238	221	164	125	106	166	.186
1972	3,534	168,740	108	107	128	139	193	214	237	227	189	124	111	114	158	.177
1973	3,457	168,954	111	108	112	162	212	244	242	232	200	147	118	112	167	.187
1974	3,385	169,168	108	110	113	129	205	245	233	238	219	179	122	114	168	.188
1975	3,382	169,332	114	112	121	130	211	244	241	236	219	143	113	110	167	.187
1976	3,359	169,595	126	117	112	115	147	150	150	130	134	121	108	104	126	.141
1977	3,336	169,809	91	55	51	51	51	65	68	69	62	62	56	54	61	.068
1978	3,312	170,023	63	72	78	83	121	156	164	168	146	133	103	90	115	.129
1979	3,296	170,450	92	90	96	107	137	187	190	187	183	133	102	97	134	.150
1980	3,278	170,660	94	97	104	121	152	195	193	192	174	159	129	100	143	.160
AVERAGE 970-1980	3,287	170,555	93	94	100	114	145	191	192	190	179	146	116	99	139	.156

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpc - ACRE-FOOT PER CAPITA ANNUALLY

^{3/} THE DATA OF ONLY 1979 AND 1980 WERE AVERAGED BECAUSE OF ATYPICAL DATA IN 1977 AND 1978.

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MEHDOCINO

CITY UKIAH

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER UKIAH

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 10,0951980 12,035

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☒

OTHER + Outside ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Willow County Water District

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	3,440	3,325	44.7	39.3	43.6	48.3	87.1	128.3	153.4	150.8	110.1	69.2	44.5	39.9	959.2
1972	3,506	3,391	41.5	40.4	45.5	52.1	95.9	131.7	142.8	137.7	98.8	49.4	41.1	48.0	924.9
1973	3,553	3,435	44.2	38.1	42.3	69.8	113.7	139.2	157.6	111.8	93.7	54.5	47.6	43.0	955.5
1974	<u>3,595</u> <u>4,702</u>	<u>3,480</u> <u>4,583</u>	42.8	36.8	44.2	49.3	100.7	129.9	140.9	146.1	121.7	81.1	45.6	46.0	987.1
1975	4,741	4,620	46.6	42.0	46.5	59.8	116.5	143.4	153.3	145.3	120.7	68.0	55.9	50.6	1,048.6
1976	4,976	4,855	52.7	50.1	54.7	64.3	120.8	139.7	159.9	112.9	114.5	82.9	56.9	52.8	1,062.2
1977	5,104	4,987	50.1	34.4	46.7	67.3	57.7	118.2	138.3	122.1	81.2	58.3	44.7	45.0	864.0
1978	5,201	5,083	46.0	41.5	49.9	59.5	98.4	128.1	148.7	145.0	82.1	86.5	55.8	51.8	993.3
1979	5,382	5,266	54.1	47.7	54.0	62.1	100.0	149.3	161.0	147.0	117.7	73.4	52.6	53.0	1,071.9
1980	5,423	5,317	49.0	48.5	55.3	67.3	107.2	126.8	159.7	168.9	89.1	80.7	59.5	55.0	1,067.0

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970																
1971	2.99	10,286	140	136	137	157	273	416	481	473	357	217	144	125	255	.286
1972	2.98	10,448	128	133	140	166	296	410	441	425	315	153	131	148	242	.271
1973	2.97	10,552	135	129	129	220	348	440	482	342	296	167	150	131	248	.278
1974	<u>2.95</u> <u>2.26</u>	10,617	130	131	134	155	306	408	428	444	382	246	143	140	255	.286
1975	2.25	10,667	141	141	141	187	352	448	464	439	377	206	175	153	269	.301
1976	2.25	11,196	152	154	158	191	348	416	461	325	341	239	169	152	259	.290
1977	2.24	11,433	141	107	132	196	163	345	390	345	237	164	130	127	207	.232
1978	2.24	11,650	127	127	138	170	272	367	412	401	235	240	160	143	234	.262
1979	2.23	12,002	145	142	145	172	269	415	433	395	327	197	146	142	245	.274
1980	2.23	12,093	131	138	148	186	286	350	426	451	246	215	164	147	241	.270
AVERAGE 1978-1980	2.23	11,915	134	136	144	176	276	377	424	416	269	217	157	144	240	.269

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-FOOT PER CAPITA ANNUALLY

^{3/} Changed system of counting in 1974 to include all dwelling and commercial units as customers, including those on master meters.

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MENDOCINO

CITY WILLITS

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER PACIFIC GAS AND ELECTRIC COMPANY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 3,091

1980 4,008

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (\$) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,462	1,170	15.8	14.0	16.3	18.0	24.8	29.7	36.4	35.4	28.2	22.2	15.6	17.3	273.7
1971	1,476	1,181	17.6	17.4	16.7	17.6	20.1	27.9	37.1	38.5	27.7	20.5	17.8	17.8	276.7
1972	1,555	1,244	17.1	16.8	18.2	17.6	26.8	34.6	39.9	37.5	28.4	20.5	18.3	26.9	302.6
1973	1,581	1,265	23.2	18.6	19.9	21.9	33.8	38.3	42.3	39.3	29.5	22.4	21.8	22.1	333.1
1974	1,610	1,288	22.3	19.0	22.3	22.8	33.3	40.9	42.6	45.6	38.0	30.7	23.1	22.6	363.2
1975	1,642	1,314	22.5	20.7	21.8	21.0	31.6	43.1	44.7	44.6	37.8	27.3	22.7	19.2	361.5
1976	1,682	1,346	23.3	21.3	24.1	22.8	35.8	39.4	33.2	27.9	28.1	23.5	17.1	19.2	315.7
1977	1,729	1,383	18.9	15.0	16.1	16.0	16.7	21.5	23.9	18.5	16.3	18.4	14.0	14.2	209.5
1978	1,777	1,422	16.4	16.8	20.1	17.4	25.5	35.6	42.6	41.7	29.6	29.9	25.5	23.4	324.5
1979	1,825	1,460	21.7	19.9	23.5	24.5	33.1	42.1	45.4	47.1	42.9	38.0	33.7	29.3	401.2
1980	1,874	1,510	26.6	25.6	25.6	26.8	34.7	38.8	50.5	49.4	41.3	33.9	25.6	24.4	403.2

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970	2.65	4,000	127	125	132	150	200	247	294	285	235	179	130	140	187	.210
1971	2.71	4,125	138	150	131	142	157	225	290	301	224	161	144	139	184	.206
1972	2.65	4,245	130	136	139	138	204	271	303	285	223	156	144	204	194	.217
1973	2.66	4,330	173	153	148	168	252	295	315	293	227	167	168	165	211	.236
1974	2.59	4,295	168	158	168	177	250	318	320	342	295	230	180	170	232	.260
1975	2.55	4,310	169	171	163	162	237	334	335	333	293	204	175	178	230	.258
1976	2.58	4,465	168	164	174	171	259	294	240	201	210	170	128	139	193	.216
1977	2.59	4,605	132	117	113	116	117	155	167	129	118	129	101	99	125	.140
1978	2.61	4,765	111	126	136	122	172	249	288	283	207	202	178	159	187	.209
1979	2.67	5,000	140	142	152	164	214	303	293	304	286	245	225	189	220	.246
1980	2.65	5,090	168	173	162	176	220	254	320	313	270	215	168	155	216	.242
AVERAGE 1978-1980	2.64	4,952	140	147	150	154	202	269	300	300	254	221	190	168	208	.233

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MERCED

CITY DOS PALOS

HYDROLOGIC STUDY AREA SAN JOAQUIN

WATER SUPPLIER DOS PALOS

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 2,496

1980 3,125

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,055		9	8	11	18	26	28	34	29	22	15	9	9	218
1971	1,064		9	9	14	18	19	28	33	30	23	16	11	9	219
1972	1,082		10	12	19	19	27	27	32	29	20	13	9	10	227
1973	1,105		9	8	9	16	27	30	36	40	23	16	11	11	236
1974	1,125		9	9	11	16	28	32	35	31	24	17	10	10	232
1975	1,137		10	10	11	16	31	32	34	33	25	17	11	11	241
1976	1,159		13	11	18	20	32	33	36	27	22	17	13	13	255
1977	1,148		12	11	15	21	19	30	37	36	33	24	17	15	270
1978	1,200		15	14	16	17	33	40	50	46	25	26	20	17	319
1979	1,215		16	14	17	25	39	41	44	40	35	24	17	17	329
1980	1,300		16	15	17	26	34	40	46	36	42	25	20	17	334

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) ^{1/}														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcas ^{2/}	
1970	2,935	3,100	94	92	114	194	271	301	354	302	237	156	97	94	193	.216	
1971	2,957	3,100	94	104	146	194	198	301	343	312	247	166	118	94	194	.217	
1972	2,980	3,200	101	129	192	198	272	281	323	292	200	131	94	101	194	.217	
1973	3,002	3,300	88	87	88	162	264	303	352	391	232	156	111	108	196	.220	
1974	3,025	3,400	85	95	104	157	266	314	332	294	235	161	98	95	187	.209	
1975	3,047	3,500	92	102	101	152	286	305	313	304	238	157	105	101	189	.212	
1976	3,069	3,600	116	105	161	185	287	306	323	242	204	152	120	116	194	.217	
1977	3,092	3,600	108	109	134	194	170	278	332	323	306	215	157	134	205	.230	
1978	3,114	3,700	131	135	139	153	288	360	436	401	225	227	180	148	236	.264	
1979	3,137	3,800	136	132	144	219	331	360	374	340	307	204	149	144	237	.265	
1980	3,159	4,100	126	126	134	211	268	325	362	283	341	197	163	134	223	.250	
AVERAGE	3,137	3,866	131	131	139	194	296	348	391	341	291	209	164	142	232	.269	

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcas - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MERCED

CITY GUSTINE

HYDROLOGIC STUDY AREA SAN JOAQUIN

WATER SUPPLIER GUSTINE

Type MUNICIPAL WATER DISTRICT

CITY CENSUS POPULATION

1970 2,7931980 3,200

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☒ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	983	978	12	10	14	23	29	33	38	41	27	18	12	11	268
1971	1,035		10	10	16	16	21	31	38	37	30	22	13	11	255
1972	1,055		10	10	23	21	36	38	38	36	27	14	13	17	283
1973	1,041		19	19	21	30	45	45	48	44	32	27	16	13	359
1974	1,073		12	14	15	19	37	41	43	40	32	22	14	13	302
1975	1,090		14	14	16	21	36	41	43	37	33	22	15	15	307
1976	1,120		20	15	22	26	38	42	45	35	31	18	12	15	319
1977	1,140		15	13	16	27	23	36	40	40	30	24	15	14	293
1978	1,160		12	11	13	16	33	42	44	41	24	26	15	13	290
1979	1,185		13	11	13	19	36	46	45	40	35	23	14	14	309
1980	1,190	1,184	13	12	16	24	34	37	43	45	34	26	19	15	318

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	2,856	2,800	138	128	161	274	334	393	438	472	321	207	143	127	262	.293
1971	2,841	2,900	111	123	178	184	234	356	423	412	345	245	149	122	241	.270
1972	2,825	3,000	108	115	247	233	387	422	409	387	300	151	144	183	258	.289
1973	2,810	3,000	204	226	226	333	484	500	516	473	356	290	178	140	328	.367
1974	2,795	3,000	129	167	161	211	398	456	462	430	356	237	156	140	276	.309
1975	2,780	3,000	151	167	172	233	387	456	462	398	367	237	167	161	280	.314
1976	2,764	3,100	208	167	229	280	395	452	468	364	333	187	129	156	281	.315
1977	2,749	3,100	156	150	166	290	239	387	416	416	323	250	161	146	259	.290
1978	2,734	3,200	121	123	131	167	333	438	444	413	250	262	156	131	248	.278
1979	2,718	3,200	131	123	131	198	363	479	454	403	365	232	146	141	265	.297
1980	2,703	3,200	131	129	161	250	343	385	433	454	354	262	198	151	272	.305
AVERAGE 1979-1980	2,718	3,200	128	125	141	205	346	434	444	423	323	252	167	141	262	.293

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MERCED

CITY LOS BANOS

HYDROLOGIC STUOY AREA SAN JOAQUIN

WATER SUPPLIER LOS BANOS

Type _____

CITY CENSUS POPULATION

1970 9,188

1980 10,700

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971															
1972															
1973															
1974			-----No Records Before 1975-----												
1975	3,150		44	35	42	53	97	112	123	107	112	43	65	19	852
1976	3,200		44	41	58	57	95	108	119	88	69	43	36	38	796
1977	3,300		49	37	47	66	61	76	116	104	88	81	54	29	808
1978	3,365		33	34	29	46	83	120	122	116	84	87	58	40	852
1979	3,568		48	33	40	55	77	92	99	120	102	72	45	43	826
1980	3,638	3,630	42	36	44	56	83	100	117	112	86	67	42	40	825

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970																
1971																
1972																
1973																
1974			-----No Records Before 1975-----													
1975	2.95	9,300	153	134	146	190	336	401	427	371	401	149	233	66	251	.281
1976	2.95	9,400	151	150	199	202	326	383	408	302	245	148	128	130	231	.259
1977	2.95	9,700	163	136	156	227	203	261	386	346	302	269	186	96	228	.255
1978	2.95	9,900	108	123	94	155	270	404	398	378	283	283	195	130	236	.264
1979	2.95	10,500	147	112	123	175	237	292	304	369	324	221	143	132	216	.242
1980	2.95	10,700	127	116	133	174	250	312	353	338	268	202	131	121	211	.236
AVERAGE 1978-1980	2.95	10,367	127	117	117	168	252	336	352	362	292	235	156	128	221	.248

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MERCED

CITY CENSUS POPULATION

1970 22,6401980 37,000CITY MERCEDHYDROLOGIC STUDY AREA SAN JOAQUIN

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER MERCED

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

Type MUNICIPAL WATER DEPARTMENT

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	8,161	6,935	129	119	181	308	475	527	683	639	451	265	140	129	4,046
1971	8,367		132	127	200	258	322	543	659	625	441	283	170	134	3,894
1972	8,636		134	141	303	322	512	602	663	619	424	235	147	141	4,243
1973	8,887		136	120	136	279	518	609	672	642	463	246	151	137	4,109
1974	9,127		138	137	165	232	490	607	667	690	559	330	159	155	4,329
1975	9,592		156	146	172	221	481	602	671	623	547	307	172	152	4,250
1976	9,842		191	162	248	302	535	595	671	575	430	321	214	171	4,415
1977	10,206		151	150	178	301	295	451	567	550	441	335	190	145	3,754
1978	10,662		154	134	161	154	397	582	656	646	430	372	220	165	4,071
1979	11,101		160	146	179	300	495	650	686	730	557	351	204	181	4,639
1980	12,382	11,256	170	164	206	322	446	567	703	705	540	385	267	203	4,678

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	atpca 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	3,345	27,300	152	156	214	376	561	643	807	755	551	313	171	152	406	.455
1971	3,339	27,900	153	163	231	308	372	649	762	723	527	327	203	155	382	.428
1972	3,333	28,800	150	169	339	373	573	697	743	693	491	263	170	158	403	.451
1973	3,328	29,600	148	145	148	314	565	686	732	700	521	268	170	149	380	.426
1974	3,322	30,300	147	161	176	255	522	668	710	735	615	351	175	165	391	.438
1975	3,316	31,800	158	164	174	232	488	631	681	632	573	311	180	154	366	.410
1976	3,310	32,600	189	171	245	309	529	608	664	569	440	318	219	169	370	.414
1977	3,304	33,700	145	159	170	298	282	446	543	526	436	321	188	139	305	.342
1978	3,299	35,200	141	136	148	146	364	551	601	592	407	341	208	151	317	.355
1979	3,293	36,600	141	142	158	273	436	592	605	643	507	309	186	160	347	.389
1980	3,287	40,700	135	139	163	264	353	434	557	559	442	305	219	161	314	.352
AVERAGE 1978-1980	3,293	37,500	139	139	156	228	384	536	588	598	452	318	204	157	326	.365

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ atpca - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MONTEREY

CITY KING CITY

HYDROLOGIC STUDY AREA CENTRAL COAST

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type PRIVATE WATER COMPANY

CITY CENSUS POPULATION

1970 3,7171980 5,512

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ALL ACCOUNTS IN CITY+ OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,043		14	15	20	27	35	33	38	35	33	27	20	16	313
1971	1,043		15	16	22	23	27	33	37	34	30	26	22	16	301
1972	1,060		15	16	25	26	33	33	37	36	30	21	19	19	310
1973	1,068		14	13	14	25	32	35	36	34	30	24	22	17	296
1974	1,082		15	15	15	22	31	37	39	38	35	28	21	15	311
1975	1,099		17	14	30	20	33	35	39	37	34	28	20	20	327
1976	1,130		22	17	23	23	32	42	42	36	30	27	27	27	348
1977	1,158		22	26	23	23	31	39	44	41	37	36	27	22	371
1978	1,196		17	15	18	19	36	40	44	44	35	35	26	24	353
1979	1,230		18	16	20	27	42	43	45	44	44	33	26	24	382
1980	1,256		17	17	23	28	37	43	45	42	39	39	30	22	382

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpc 2/
1970	3,564	3,700	122	145	174	243	305	297	331	305	297	235	180	139	232	.260
1971	3,646	3,800	127	150	187	202	229	289	314	289	263	221	193	136	217	.243
1972	3,727	4,000	121	138	202	217	266	275	298	290	250	169	158	153	212	.237
1973	3,809	4,100	110	113	110	203	252	285	283	268	244	189	179	134	198	.222
1974	3,890	4,200	115	128	115	175	238	294	300	292	278	215	167	115	203	.227
1975	3,972	4,400	125	114	220	152	242	265	286	271	258	205	152	147	204	.228
1976	4,053	4,600	154	127	161	167	224	304	295	252	217	189	196	189	207	.232
1977	4,135	4,800	148	193	155	160	208	271	296	276	257	242	188	148	212	.237
1978	4,216	5,000	110	107	116	127	232	267	294	284	233	226	173	155	193	.216
1979	4,298	5,300	110	108	122	170	256	270	274	268	277	189	164	146	197	.221
1980	4,379	5,500	100	107	135	170	217	261	264	246	236	229	182	129	190	.213
AVERAGE	4,298	5,267	107	107	124	156	235	266	274	266	249	215	173	143	193	.216

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MONTEREY

CITY MONTEREY BAY CITIES

HYDROLOGIC STUDY AREA CENTRAL COAST

WATER SUPPLIER CALIFORNIA-AMERICAN WATER CO.

Type PRIVATE WATER COMPANY

CITY CENSUS POPULATION

1970 86,000

1980 94,000

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (\$) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	26,850		267	240	250	383	450	501	495	575	514	495	337	327	4,834
1971	27,168		285	307	376	389	464	551	570	569	542	429	331	286	5,099
1972	27,628		304	299	446	464	573	542	621	606	498	353	285	298	5,289
1973	28,138		291	267	308	446	555	619	621	563	498	378	288	294	5,128
1974	28,649		298	286	308	337	510	536	567	562	501	419	316	289	4,929
1975	29,362		321	263	303	332	529	544	566	555	499	418	341	348	5,019
1976	29,968		413	315	390	415	551	566	517	478	439	403	369	372	5,228
1977	29,997		330	257	198	203	212	223	249	241	217	231	211	194	2,766
1978	29,984		198	199	244	240	368	414	434	448	413	386	308	283	3,935
1979	30,250		265	244	288	344	452	503	503	500	499	404	309	321	4,632
1980	30,716		334	290	332	378	427	520	509	526	472	463	417	355	5,023

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	3.203	86,000	100	100	94	148	169	194	186	216	199	186	131	123	154.3	.172
1971	3.189	86,600	106	127	140	150	173	212	212	212	209	160	127	107	161	.180
1972	3.174	87,700	112	118	164	176	211	206	228	223	189	130	108	110	165	.185
1973	3.160	88,900	106	107	112	167	201	232	225	204	187	137	108	107	158	.177
1974	3.146	90,100	107	113	110	125	183	198	203	201	185	150	117	103	150	.168
1975	3.132	92,000	113	102	106	120	185	197	198	195	181	147	124	122	149	.167
1976	3.117	93,400	143	116	135	148	190	202	179	165	157	139	132	128	153	.171
1977	3.103	93,100	114	99	69	73	73	80	86	84	78	80	76	67	81	.091
1978	3.089	92,600	69	77	85	86	128	149	151	156	149	134	111	99	116	.130
1979	3.074	93,000	92	94	100	123	157	180	174	173	179	140	111	111	136	.152
1980	3.060	94,000	115	106	114	134	147	184	175	181	167	159	148	122	146	.164
AVERAGE 1970-1980	3.074	93,200	92	92	100	114	144	171	167	170	165	144	123	111	133	.149

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-FOOT PER CAPITA ANNUALLY

^{3/} 1970 GPCD DIFFERS FROM BULLETIN 166-2 BECAUSE THE WATER PRODUCTION VALUES WERE REVISED BY THE AGENCY.

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MONTEREY
CITY SALINAS
HYDROLOGIC STUDY AREA CENTRAL COAST
WATER SUPPLIER CALIFORNIA WATER SERVICE CO., ALCO WATER SERVICE CO., AND WATER WEST CORPORATION
Type PRIVATE WATER COMPANIES

CITY CENSUS POPULATION
1970 58,896
1980 80,850
SYSTEM SERVES:
ALL ACCOUNTS IN CITY ☐
ALL ACCOUNTS IN CITY + OUTSIDE ☒
PARTLY IN CITY ONLY ☐
OTHER _____
OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	15,412		180	166	216	294	347	328	370	365	340	269	197	166	3,238
1971	15,757		170	182	217	237	307	379	399	391	349	302	224	188	3,345
1972	16,138		194	191	264	283	367	382	403	390	340	263	208	195	3,480
1973	16,492		190	168	192	279	364	410	407	380	344	266	203	191	3,394
1974	16,885		188	183	209	235	356	362	417	423	387	297	225	209	3,491
1975	17,086		220	197	229	269	377	393	427	406	369	316	243	247	3,693
1976	17,987		279	234	267	304	414	448	429	377	360	297	257	267	3,933
1977	18,449		207	221	235	296	285	343	302	373	341	325	261	229	3,418
1978	18,670		209	192	224	221	366	418	439	433	401	357	283	243	3,786
1979	19,103		229	212	229	308	403	470	452	454	432	335	254	258	4,036
1980	19,584	19,477	241	239	264	343	403	461	456	456	422	402	340	290	4,317

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970 ^{3/}	3,809	58,700	99	101	119	167	191	186	203	201	193	148	112	91	151	.169
1971	3,846	60,600	90	107	116	130	163	208	212	208	192	161	123	100	151	.169
1972	3,879	62,600	100	105	136	156	189	203	208	201	181	136	111	100	152	.170
1973	3,911	64,500	95	93	96	144	182	212	204	190	178	133	105	96	144	.161
1974	3,944	66,600	91	98	101	118	172	181	202	205	194	144	113	101	144	.161
1975	3,980	68,000	104	103	109	132	179	193	203	193	181	150	119	117	149	.167
1976	4,014	72,200	129	112	119	140	185	207	192	168	166	133	119	119	149	.167
1977	4,049	74,700	89	106	101	132	123	153	130	161	152	140	116	99	125	.140
1978	4,081	76,200	88	90	95	97	155	183	186	183	175	151	124	103	136	.152
1979	4,115	78,600	94	96	94	131	165	199	186	186	183	137	108	106	141	.158
1980	4,151	81,300	96	101	105	141	160	189	181	181	173	160	139	118	145	.162
AVERAGE	4,116	78,700	93	96	98	123	160	190	184	183	177	149	124	108	141	.158

1/ gpcpd - GALLONS PER CAPITA PER DAY

2/ afpcpd - ACRE-Feet PER CAPITA ANNUALLY

3/ 1970 DIFFERS FROM BULLETIN 166-2 BECAUSE IT WAS DETERMINED THAT APPROXIMATELY 80 PEOPLE WERE SERVED OUTSIDE THE CITY BOUNDARY BY CALIF. WATER SERVICE CO. AND 1,000 PEOPLE INSIDE THE CITY BOUNDARY WERE SERVED BY WATER WEST CO. THE WATER WEST PORTION PRODUCTION AND CONNECTIONS ARE INCLUDED STARTING IN 1976.

METERED ☐ FLAT RATE ☐ COMBINATION ☒
EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY MODOC

CITY ALTURAS

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER ALTURAS

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 2,799

1980 3,025

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,119	1,082	9.9	9.9	8.3	12.6	23.3	34.8	39.0	56.8	33.7	15.2	10.7	7.3	261.5
1971	1,129	1,092	--	--	--	--	--	--	--	--	--	--	--	--	--
1972	1,151		--	--	--	--	--	--	--	--	--	--	--	--	--
1973	1,152	1,112	--	--	--	--	--	--	--	--	--	--	--	--	--
1974	1,148	1,107	12.8	13.9	11.9	14.6	39.4	36.5	63.8	54.0	48.4	33.2	15.9	10.4	354.8
1975	1,145	1,104	15.0	16.0	12.9	13.6	27.2	47.5	60.6	50.2	51.0	18.1	13.7	13.1	338.9
1976	1,161	1,139	15.4	13.5	16.0	19.4	47.6	40.7	39.4	55.7	32.0	19.3	16.9	13.6	329.5
1977	1,208	1,163	19.2	14.1	15.6	27.3	21.6	41.6	48.6	57.3	74.9	19.0	16.5	15.0	370.7
1978	1,226	1,181	13	15	13	17	22	54	43	38	43	22	24	11	315
1979	1,245	1,200	21	20	14	16	26	48	65	64	35	43	20	18	390
1980	1,256	1,211	17	12	18	22	28	45	63.1	65.2	22.2	28.5	24.7	17.1	362.8

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970	2.58	2,890	111	122	93	145	260	401	435	634	389	170	123	81	248	.278
1971	2.58	2,910														
1972	2.57	2,950														
1973	2.56	2,950														
1974	2.55	2,930	141	169	131	166	434	415	702	595	551	366	181	114	332	.372
1975	2.54	2,910	166	196	143	156	302	544	672	556	584	201	157	145	319	.357
1976	2.53	2,940	169	158	176	220	522	461	432	611	363	212	192	149	306	.343
1977	2.52	3,050	203	165	165	298	228	455	514	606	819	201	180	159	333	.373
1978	2.51	3,080	136	174	136	183	230	584	450	398	465	230	260	115	280	.314
1979	2.50	3,120	217	229	145	171	269	513	672	662	374	445	214	186	342	.383
1980	2.49	3,130	175	132	186	234	289	479	650	672	236	294	263	176	317	.355
AVERAGE 1978-1980	2.50	3,110	176	178	156	196	263	525	591	577	358	323	246	159	313	.351

1/ gpcd -- GALLONS PER CAPITA PER DAY

2/ afpcd -- ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY NAPA
 CITY CALISTOGA
 HYDROLOGIC STUDY AREA SAN FRANCISCO BAY
 WATER SUPPLIER CALISTOGA
 Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION
 1970 1,082
 1980 3,879
 SYSTEM SERVES:
 ALL ACCOUNTS IN CITY ☐
 ALL ACCOUNTS IN CITY+ OUTSIDE ☒
 PARTLY IN CITY ONLY ☐
 OTHER _____
 OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	875	795	7.5	6.8	6.8	8.6	12.3	16.2	20.3	24.5	21.4	12.3	8.4	7.6	152.7
1972	906	830	7.5	9.0	7.9	9.6	14.8	18.8	24.7	25.3	20.1	12.6	10.8	11.4	172.5
1973	916	833	9.9	9.4	9.8	13.3	18.5	20.6	25.3	26.1	17.4	10.1	9.0	8.9	178.3
1974	940	861	10.3	8.4	10.9	10.9	17.2	19.6	20.4	24.6	20.8	17.7	9.0	9.2	179.0
1975	1,067	985	10.6	10.2	12.3	12.6	21.2	23.2	27.1	30.7	25.4	16.7	11.4	11.6	213.0
1976	1,034	952	8.6	10.3	13.0	10.9	16.0	15.1	16.2	13.0	14.0	13.5	10.9	11.2	153.5
1977	1,073	996	10.5	8.4	8.4	8.2	8.2	8.7	9.4	10.4	8.7	9.5	8.4	9.2	108.0
1978	1,160	1,085	8.6	7.7	8.0	9.9	14.8	17.8	22.3	21.8	17.7	16.7	12.7	11.3	170.1
1979	1,200	1,130	13.9	10.5	11.4	12.3	15.9	21.5	22.2	21.6	20.4	16.9	13.9	12.0	192.5
1980	1,214	1,144	14.4	12.3	15.6	15.2	18.5	21.1	23.1	21.5	17.8	17.5	14.2	15.8	207.0

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970																
1971	2.54	2,222	109	109	99	129	179	243	295	356	321	179	126	110	188	.211
1972	2.63	2,383	102	130	107	134	200	263	334	342	281	171	151	154	198	.222
1973	2.71	2,482	129	135	127	179	240	277	329	339	234	131	121	116	197	.221
1974	2.79	2,623	127	114	134	139	212	249	251	303	264	218	114	113	187	.209
1975	2.88	3,073	111	119	129	137	223	252	284	322	276	175	124	122	190	.213
1976	2.98	3,081	90	115	136	118	168	163	170	144	151	141	118	117	136	.152
1977	3.09	3,316	102	90	82	82	80	87	91	101	87	92	84	89	89	.100
1978	3.20	3,712	75	74	76	89	129	160	194	189	159	145	114	98	126	.141
1979	3.31	3,972	113	94	93	103	129	180	180	175	171	137	117	97	133	.149
1980	3.41	4,140	112	102	122	122	144	170	180	168	143	136	114	123	137	.153
AVERAGE	3.31	3,941	100	90	97	105	134	170	185	177	158	139	115	106	132	.148

^{1/} gpcd - GALLONS PER CAPITA PER DAY
^{2/} afpcd - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐
 EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY NAPA

CITY CENSUS POPULATION

CITY NAPA1970 36,1031980 50,879HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER NAPAType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

Lucchesi Water Company^{3/}

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS * ^{1/}		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	--	--	192.8	184.7	232.1	267.5	363.0	438.8	468.7	453.5	413.4	303.3	213.4	217.9	3,749.1
1972	--	--	205.1	191.2	266.5	284.1	404.4	447.7	512.1	494.8	378.3	256.7	241.5	224.0	3,906.4
1973	--	--	213.1	190.7	213.8	294.1	440.2	489.8	508.7	473.6	373.2	278.8	202.2	253.6	3,931.8
1974	--	--	252.9	209.0	200.3	264.6	405.7	481.4	457.0	472.9	394.8	366.0	215.7	210.1	3,930.4
1975	16,052	13,834	216.5	183.1	214.5	239.2	420.1	471.2	470.0	480.0	426.0	320.7	226.3	232.3	3,099.9
1976	17,068	14,740	237.3	226.8	276.9	355.8	497.1	540.0	544.6	435.7	400.8	323.6	292.4	271.3	4,402.3
1977	17,452	15,060	234.3	201.0	223.9	243.9	270.7	335.9	415.6	393.2	292.3	288.6	208.5	193.3	3,301.2
1978	17,670	14,901	185.7	172.6	198.9	223.5	379.4	441.6	470.8	476.2	398.1	329.9	236.5	198.1	3,711.3
1979	17,944	15,096	183.6	161.2	199.8	218.7	320.3	469.8	478.2	442.2	401.4	301.8	178.9	187.2	3,543.1
1980	18,450	15,592	179.2	177.1	202.5	253.7	379.2	436.7	473.7	431.0	381.9	340.9	271.7	210.8	3,738.4

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	apcfa ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	--	46,534	134	142	161	192	252	314	325	314	296	210	153	151	221	.248
1972	--	48,496	136	136	177	195	269	308	341	329	260	171	166	149	220	.246
1973	--	50,457	136	135	137	194	281	324	325	303	247	178	134	162	213	.239
1974	--	52,419	156	142	123	168	250	306	281	291	251	225	137	129	205	.230
1975	3.39	54,416	128	120	127	147	249	289	279	285	261	190	139	138	196	.220
1976	3.37	57,519	133	136	155	206	279	313	305	244	232	181	169	152	209	.234
1977	3.35	58,464	129	123	124	139	149	192	229	217	167	159	119	107	155	.174
1978	3.33	58,841	102	105	109	127	208	250	258	261	226	181	134	109	173	.194
1979	3.31	59,395	100	97	109	123	174	264	260	240	225	164	100	102	163	.183
1980	3.30	60,885	95	100	107	139	201	239	251	228	209	181	149	112	168	.188
AVERAGE 1970-1980	3.31	59,707	99	101	108	130	194	251	256	243	220	175	128	108	168	.188

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} apcfa - ACRE-FEET PER CAPITA ANNUALLY^{3/} 6 customers in city^{4/} Prior to 1975, count was incorrect

METERED <input checked="" type="checkbox"/>	FLAT RATE <input type="checkbox"/>	COMBINATION <input type="checkbox"/>
EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES		

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ORANGE

CITY BUENA PARK

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER BUENA PARK

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 63,646

1980 64,165

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ **XX**

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			3/												
1971															4,488.9
1972															4,480.8
1973															5,452.1
1974															4,691.3
1975															4,267.0
1976			341.5	268.1	322.8	354.5	468.8	523.3	554.2	538.4	369.2	397.8	368.9	355.9	4,863.4
1977			276.2	286.7	313.1	369.2	331.9	409.7	490.5	435.6	401.4	367.9	334.1	279.4	4,295.7
1978			232.0	218.6	255.9	261.5	451.4	526.6	555.2	474.2	514.3	417.3	297.4	281.9	4,486.3
1979			226.9	291.4	273.0	352.1	469.1	533.9	560.7	529.3	495.4	394.0	336.0	342.9	4,804.7
1980			276.7	250.3	282.3	387.7	414.0	524.4	590.3	561.0	467.5	429.4	400.4	330.0	4,914.0

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970																
1971		61,675													199	.223
1972		60,510													202	.226
1973		59,975													249	.279
1974		62,320													206	.231
1975		62,510													187	.209
1976		66,420	166	139	157	178	228	263	269	261	185	193	185	173	200	.224
1977		66,815	133	153	151	184	160	204	237	210	200	178	167	135	176	.197
1978		65,685	114	119	126	133	222	267	273	233	261	205	151	138	187	.210
1979		65,035	113	160	135	180	233	274	278	263	254	195	172	170	202	.227
1980		64,800	138	133	141	199	206	270	294	279	240	214	206	164	207	.233
AVERAGE 1979-1980		65,173	122	137	134	171	220	270	282	258	252	205	176	157	199	.223

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-FEET PER CAPITA ANNUALLY

3/ MONTHLY DATA NOT AVAILABLE 1970-1975

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ORANGE

CITY FULLERTON

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER FULLERTON

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 85,987

1980 102,034

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	20,600	20,594	454.9	457.2	537.2	656.6	838.0	835.8	948.3	966.2	891.2	731.5	538.5	414.5	8,269.9
1971	20,773	20,767	448.7	460.7	595.6	639.9	677.6	778.8	949.1	1031.8	894.4	754.6	558.0	489.5	8,278.7
1972	21,222	21,216	504.3	541.7	642.7	702.4	763.5	767.6	1057.1	974.9	811.8	630.8	485.2	405.2	8,377.2
1973	21,613	21,607	466.4	422.9	460.0	618.0	694.1	810.1	961.8	953.5	837.9	795.6	556.9	504.0	8,081.2
1974	23,553	23,547	465.9	523.3	520.4	676.4	756.6	886.1	1108.4	1082.5	986.7	778.2	645.3	574.9	9,094.7
1975	23,637	23,631	606.3	490.1	556.0	572.3	801.2	848.1	1097.9	1068.6	963.6	810.5	679.0	579.6	9,073.2
1976	23,649	23,648	696.6	538.9	669.8	676.7	891.3	969.1	1094.9	1093.5	730.4	859.6	722.4	734.7	9,677.9
1977	23,684	23,683	564.5	577.4	602.0	692.5	609.7	758.3	945.8	821.8	823.7	789.1	637.2	562.6	8,384.6
1978	24,268	24,264	445.6	443.7	514.9	505.7	834.0	987.0	1084.9	1070.0	893.6	847.0	581.9	584.0	8,792.3
1979	24,781	24,777	518.3	513.0	568.4	701.7	869.1	999.6	1120.8	1092.0	1038.2	866.9	750.4	693.4	9,731.8
1980	25,057	25,053	559.0	532.3	612.3	759.9	788.9	1028.1	1139.5	1183.0	1017.8	940.4	754.8	703.9	10,055.9

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	4.18	86,012	171	190	201	254	314	324	356	362	345	274	209	155	263	.295
1971	4.16	86,510	167	190	222	247	253	300	354	385	345	281	215	183	262	.293
1972	4.10	87,012	187	215	238	269	283	294	397	361	311	234	186	184	263	.295
1973	4.08	88,186	171	171	168	234	254	306	352	349	317	291	211	184	251	.281
1974	3.82	90,000	167	208	187	251	271	328	397	388	365	279	239	206	274	.307
1975	3.93	92,900	211	188	193	205	278	304	381	371	346	281	244	201	258	.300
1976	3.99	94,475	238	197	229	239	304	342	374	373	258	294	255	251	281	.315
1977	4.01	94,961	192	217	205	243	207	266	322	279	289	268	224	191	242	.271
1978	4.04	98,041	147	162	169	172	274	336	357	352	304	279	198	192	246	.276
1979	3.98	98,752	169	186	186	237	284	337	366	357	350	283	253	227	270	.302
1980	3.93	102,034	177	180	194	260	249	336	360	374	333	297	247	223	269	.301
AVERAGE 1976-1980	3.98	99,609	164	176	183	223	269	336	362	361	329	286	233	214	262	.293

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ORANGE

CITY GARDEN GROVE

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER GARDEN GROVE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 121,155

1980 123,351

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	29,429	27,591	429.5	436.5	440.7	508.3	658.9	762.4	635.1	803.3	724.1	662.7	518.0	433.9	7,013.4
1971	29,461	27,623	369.2	417.3	499.6	570.8	615.0	835.7	900.6	869.7	740.5	636.2	526.8	414.6	7,396.0
1972	29,789	28,271	378.5	412.3	505.3	565.1	677.8	734.9	847.6	797.0	656.7	649.3	488.3	396.1	7,108.9
1973	30,800	28,633	390.9	407.4	438.8	588.4	686.7	827.5	840.2	881.8	827.3	678.7	557.7	495.3	7,620.7
1974	31,219	28,573	452.6	457.9	466.4	435.6	479.8	715.7	785.7	824.5	773.6	634.6	521.6	463.2	7,011.2
1975			423.3	428.2	436.1	407.3	448.2	745.2	767.9	829.6	751.4	684.7	565.6	533.0	7,020.5
1976	31,383	29,163	566.0	427.2	567.6	534.4	776.8	793.8	841.3	800.3	659.5	643.6	569.2	537.0	7,716.7
1977	32,551	30,695	472.5	444.1	486.8	603.1	540.6	714.6	738.7	697.3	638.3	610.6	540.9	481.0	6,968.5
1978	32,864	31,102	368.0	367.1	388.4	490.4	778.0	637.5	808.8	783.8	672.8	720.8	533.4	427.0	6,976.0
1979	33,177	31,347	399.7	385.0	413.8	579.3	731.0	880.9	821.3	832.0	716.7	526.7	532.5	475.5	7,294.4
1980 ^{3/}	32,402	31,400	392.3	443.8	644.2	670.3	822.0	1051.0	1071.7	805.8	733.5	744.9	507.7	531.5	8,418.7

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) ^{1/}														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcas ^{2/}	
1970	4.39	129,235	107	121	110	131	164	197	159	201	187	165	134	108	149	167	
1971	4.35	128,241	93	116	126	148	155	217	227	219	192	160	137	104	158	177	
1972	4.30	128,216	95	111	127	147	170	191	213	201	171	163	127	100	151	169	
1973	4.16	128,217	98	113	110	153	173	215	211	222	215	171	145	125	163	182	
1974	4.16	129,739	113	126	116	112	119	184	195	205	199	158	134	115	148	166	
1975		130,162	105	117	108	104	111	191	190	206	192	170	145	132	148	166	
1976	4.12	129,434	141	114	141	138	194	204	210	199	170	160	147	134	163	183	
1977	4.08	132,751	115	119	118	151	131	179	180	169	160	148	136	117	144	161	
1978	4.03	132,426	90	99	95	123	190	160	197	191	169	176	134	104	144	160	
1979	3.97	131,716	98	104	101	147	179	223	201	204	181	129	135	116	152	170	
1980 ^{3/}	3.88	125,611	101	122	165	178	211	279	275	207	195	191	135	136	183	206	
AVERAGE	3.96	129,918	96	108	120	149	193	221	224	201	182	165	135	119	160	179	

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcas - ACRE-Feet PER CAPITA ANNUALLY

3/ ANNEXATION OF SERVICE CONNECTIONS BY THE CITY OF SANTA ANA

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ORANGE

CITY HUNTINGTON BEACH

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER HUNTINGTON BEACH

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 115,9601980 170,505

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: ☐

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			363.8	370.5	454.5	547.1	616.8	610.0	713.6	695.4	622.7	554.6	473.5	365.3	6,387.8
1971	30,338		414.8	437.6	828.2	547.4	606.7	674.8	727.3	817.8	675.4	605.8	519.1	439.0	7,293.9
1972	32,200		485.8	525.4	542.7	633.8	732.6	749.4	834.6	794.3	649.6	610.9	493.0	473.1	7,525.2
1973	34,172		461.8	376.5	348.2	656.7	724.2	813.9	816.2	806.8	783.3	713.1	419.2	510.3	7,466.2
1974	35,330		472.6	531.6	518.5	662.2	786.0	877.4	922.5	866.3	783.8	672.3	591.3	533.0	8,217.5
1975	36,530		563.4	465.5	533.2	572.2	778.4	822.7	918.5	904.1	836.8	751.7	661.9	591.7	8,400.1
1976	38,162		684.6	544.0	659.2	672.4	869.1	927.4	965.0	1012.8	758.8	805.7	701.0	715.8	9,315.8
1977	39,532		578.2	563.7	637.3	719.3	686.8	757.2	881.4	785.1	753.0	701.7	683.0	598.6	8,345.3
1978	40,897		508.7	501.2	552.4	607.5	889.1	949.6	1020.8	946.1	846.5	784.2	621.1	619.1	8,846.3
1979	42,318		568.7	516.6	588.7	723.0	890.0	976.6	1015.6	1001.3	949.4	811.7	697.8	734.6	9,474.0
1980	43,594		639.7	568.9	653.2	828.0	875.8	1033.1	1122.5	1049.3	943.7	877.6	816.3	712.1	10,120.2

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	ofcda ^{2/}
1970		115,930	101	114	126	157	172	175	199	193	179	154	136	102	151	.169
1971	3.91	118,773	113	132	225	154	165	189	198	222	190	165	146	119	168	.188
1972	3.92	126,256	124	143	139	167	187	198	213	203	172	156	130	121	163	.183
1973	3.94	134,569	111	100	92	163	174	202	196	193	194	171	104	122	152	.170
1974	3.95	139,412	109	136	120	158	182	210	213	200	187	156	141	123	161	.181
1975	3.96	144,586	126	115	119	132	174	190	205	202	193	168	153	132	159	.178
1976	3.97	151,389	146	124	140	148	185	204	206	216	167	172	154	153	168	.188
1977	3.98	157,289	119	128	131	152	141	160	181	161	160	144	145	123	145	.163
1978	3.93	160,728	102	111	111	126	178	197	205	190	176	157	129	124	151	.169
1979	3.93	166,384	110	111	114	145	173	196	197	194	190	157	140	142	156	.175
1980	3.98	173,466	119	113	121	159	163	199	209	195	181	163	157	132	159	.179
AVERAGE	3.95	166,859	110	112	115	143	171	197	204	193	182	159	142	133	155	.174

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ ofpcas - ACRE-Feet PER CAPITA ANNUALLY

9-77656

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ORANGE
 CITY ORANGE
 HYDROLOGIC STUDY AREA SOUTH COASTAL REGION
 WATER SUPPLIER ORANGE
 Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION
 1970 77,365
 1980 91,788
 SYSTEM SERVES:
 ALL ACCOUNTS IN CITY ☐
 ALL ACCOUNTS IN CITY + OUTSIDE ☒
 PARTLY IN CITY ONLY ☐
 OTHER _____
 OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	18,233	17,902	227.4	283.4	340.8	428.6	512.1	519.3	576.7	573.2	543.9	456.5	334.9	252.7	5,099.5
1971	19,212	18,875	280.0	291.6	381.1	416.0	441.3	517.9	589.9	648.9	526.8	445.9	340.6	292.0	5,171.8
1972	19,665	19,251	304.1	334.7	410.6	478.1	526.4	538.7	669.8	610.7	483.4	424.3	328.6	316.3	5,425.7
1973	21,433	20,310	607.5	506.0	407.4	272.3	248.8	297.4	582.9	510.6	559.6	494.2	368.8	347.3	5,202.8
1974	21,946	20,743	302.8	364.1	332.5	444.2	504.5	615.9	649.0	622.6	557.8	466.8	415.4	355.7	5,631.3
1975	22,702	21,452	364.9	306.4	338.9	347.4	522.9	575.6	739.0	730.0	655.0	549.0	509.0	438.0	6,076.1
1976	22,734	21,606	534.5	417.5	475.3	498.8	675.9	720.7	766.9	784.0	511.3	628.8	526.4	562.0	7,102.1
1977	23,692	22,567	418.2	465.2	484.1	573.0	486.5	608.7	727.6	649.0	618.8	593.4	539.7	462.0	6,626.2
1978	25,342	24,327	337.0	334.0	397.0	408.0	710.0	790.0	819.0	778.0	641.0	628.0	437.0	428.0	6,707.0
1979	25,881	24,757	378.0	358.0	423.0	555.0	725.0	821.0	852.0	829.6	810.0	630.0	526.0	557.0	7,464.0
1980	27,841	26,696	442.0	395.0	447.0	607.5	621.0	761.0	874.0	822.0	722.0	688.0	644.0	544.0	7,567.5

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) ^{1/}														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpc ^{2/}	
1970	4.32	78,795	114	128	140	181	210	220	236	235	230	187	142	103	177	.199	
1971	4.23	81,280	111	128	151	171	175	212	234	257	216	177	140	116	174	.195	
1972	4.15	81,569	120	141	162	195	208	220	265	242	198	168	134	125	182	.204	
1973	3.90	83,500	235	216	157	109	96	119	225	197	223	191	147	134	171	.192	
1974	3.85	84,600	115	154	127	175	192	243	247	237	220	178	164	136	182	.204	
1975	3.77	85,700	137	128	128	135	197	224	278	275	255	207	198	165	194	.217	
1976	3.82	86,800	199	166	177	192	251	277	285	291	196	234	202	209	224	.251	
1977	3.71	87,900	153	189	178	217	179	231	267	238	235	218	205	170	207	.232	
1978	3.57	90,400	120	132	142	150	253	291	292	278	236	224	161	153	203	.228	
1979	3.62	93,800	130	136	145	197	249	292	293	285	288	217	187	192	218	.244	
1980	3.45	95,988	149	142	150	211	209	264	294	276	251	231	224	183	215	.241	
AVERAGE	3.55	93,396	133	137	146	186	237	282	293	280	258	224	191	176	212	.238	

^{1/} gpcd - GALLONS PER CAPITA PER DAY
^{2/} afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐
 EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY ORANGE

CITY SANTA ANA

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER SANTA ANA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 155,710

1980 203,713

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Southern California Water Co., Diamond Park
Water Co., Fairhaven-Tustin NW, Mesa Consoli-
dated Water Dist.

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			551.9	533.4	611.5	733.9	899.9	890.5	999.8	989.1	898.1	776.9	654.6	507.4	9,047.0
1971			537.4	546.0	702.0	749.0	785.3	895.5	1041.5	1080.8	924.8	825.1	698.2	583.1	9,368.5
1972			625.2	645.7	764.7	859.2	946.4	927.4	1100.5	1062.1	890.9	819.3	668.9	656.6	9,966.9
1973			659.9	577.8	650.4	857.5	985.0	1090.6	1114.5	1096.9	971.1	960.9	774.4	704.6	10,443.6
1974			673.6	735.6	718.2	895.3	1004.9	1125.6	1246.2	1173.3	1076.2	938.0	825.8	712.2	11,124.9
1975			762.8	639.0	718.2	742.7	997.7	1077.0	1235.1	1196.3	1105.1	965.3	862.4	792.6	11,094.2
1976			908.3	712.6	855.5	852.6	1085.7	1163.7	1198.4	1208.8	876.1	997.2	898.1	871.4	11,628.4
1977			740.1	719.0	787.5	882.2	815.4	951.1	1096.4	1008.5	973.0	952.9	868.4	765.9	10,560.4
1978			671.3	609.0	741.3	761.3	1102.6	1219.1	1246.8	1215.6	1028.4	1034.7	807.7	787.5	11,225.3
1979			753.6	678.6	787.1	908.4	1128.2	1253.5	1295.4	1277.2	1243.3	1100.6	934.0	949.8	12,309.7
1980			831.5	768.3	857.8	1051.6	1133.1	1306.3	1430.6	1373.6	1228.0	1200.4	1092.2	975.8	13,249.2

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
1970		137,400	130	139	144	178	211	216	235	232	218	182	159	119	180	.202
1971		142,413	122	137	159	175	178	210	236	245	216	187	163	132	180	.202
1972		147,536	137	151	167	194	207	210	241	232	201	179	151	144	185	.207
1973		152,909	139	135	137	187	208	238	235	231	212	203	169	149	187	.210
1974		159,604	136	165	145	187	203	235	252	237	225	190	172	144	191	.214
1975		163,415	151	140	142	151	197	220	244	236	225	191	176	156	186	.208
1976		168,503	174	146	164	169	208	230	229	231	173	191	178	167	189	.212
1977		173,642	137	148	146	169	151	183	204	187	187	177	167	142	167	.187
1978		178,966	121	122	134	142	199	227	225	219	192	187	150	142	172	.193
1979		184,280	132	132	138	164	197	227	227	224	225	193	169	166	183	.205
1980		192,253	140	138	144	182	190	226	240	230	213	201	189	164	188	.211
AVERAGE 1978-1980		185,166	131	131	139	163	195	227	231	224	210	194	169	157	181	.203

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY PLACER

CITY ROSEVILLE

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER ROSEVILLE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 18,221

1980 24,347

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☐ ☐

PARTLY IN CITY ONLY ☐ ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)													ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
1970																
1971	6,059		123	78	100	142	187	240	372	369	251	144	123	85	2,214	
1972	6,179		117	107	160	186	309	376	415	402	403	275	138	129	3,017	
1973	6,317		100	82	95	153	255	315	350	321	214	110	96	80	2,171	
1974	6,337		83	71	83	115	241	299	290	302	247	178	90	94	2,093	
1975	7,065		79	67	98	134	297	338	374	347	302	157	98	90	2,381	
1976	8,338		101	99	100	153	329	342	369	271	235	210	133	122	2,464	
1977	8,726		92	77	77	131	117	197	256	245	185	148	86	84	1,695	
1978	9,174		84	73	90	97	231	304	357	340	223	165	137	92	2,193	
1979	9,307		90	64	105	139	271	355	355	336	281	179	129	125	2,429	
1980	9,736		121	111	139	153	271	337	369	358	268	193	160	141	2,621	

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) 1/														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/	
1970																	
1971	3.00	18,177	218	153	177	260	332	440	660	655	460	256	226	151	334	.374	
1972	2.97	18,352	206	201	281	338	543	683	729	707	732	483	251	227	449	.503	
1973	2.94	18,572	174	158	165	275	443	565	608	558	384	191	172	139	320	.358	
1974	2.90	18,377	146	138	146	209	423	542	509	530	448	312	163	165	312	.349	
1975	2.87	20,266	126	118	156	220	473	556	595	552	497	250	161	143	322	.361	
1976	2.80	23,346	140	146	138	218	455	488	510	374	336	290	190	169	288	.323	
1977	2.74	23,909	124	115	104	183	158	275	345	331	258	200	120	113	194	.217	
1978	2.67	24,495	111	106	119	132	304	414	470	448	303	217	186	121	245	.274	
1979	2.61	24,291	120	94	139	191	360	487	471	446	386	238	177	166	274	.307	
1980	2.54	24,750	158	155	181	206	353	454	481	467	361	252	215	184	289	.324	
AVERAGE 1978-1980	2.61	24,512	130	118	146	176	339	452	474	454	350	236	193	157	269	.301	

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-FEET PER CAPITA ANNUALLY

* METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY PLUMAS

CITY PORTOLA

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER PORTOLA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 1,6251980 1,885

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971															
1972															
1973	716	691							19.6	20.5	15.3	12.1	10.7	10.3	
1974	730	699	9.5	8.9	10.9	9.9	18.2	24.6	24.0	22.2	19.6	11.5	8.8	9.9	178.0
1975	736	706	9.7	8.7	10.0	12.0	15.1	20.3	17.8	21.6	23.2	16.1	19.9	18.4	192.8
1976	771	740	8.6	9.0	8.4	11.3	19.9	18.4	24.9	16.8	13.0	9.7	5.7	6.7	152.4
1977	799	762	7.5	6.2	6.3	9.5	8.7	15.1	20.9	15.6	11.0	9.1	5.4	6.9	122.2
1978	951	892	6.5	4.5	5.0	6.0	9.1	12.5	23.2	17.6	12.0	11.1	6.0	7.6	121.1
1979	1,004	934	8.0	6.2	7.3	6.9	10.6	14.3	29.2	31.7	25.8	17.1	11.5	11.1	179.7
1980	1,025	954	9.7	9.2	11.6	12.9	19.1	22.3	30.7	29.4	30.6	15.7	10.9	10.7	212.8

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) 1/														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/	
1970																	
1971																	
1972																	
1973	2.47	1,769							357	374	288	221	202	188			
1974	2.40	1,752	175	181	201	188	335	468	442	409	373	212	167	182	278	.311	
1975	2.32	1,708	183	182	189	234	285	396	336	408	453	304	388	348	309	.346	
1976	2.25	1,735	160	179	156	217	370	354	463	312	250	180	110	125	240	.269	
1977	2.17	1,744	139	127	117	182	161	289	387	289	210	168	103	128	192	.215	
1978	2.09	1,988	105	81	81	101	148	210	376	286	201	180	101	123	167	.187	
1979	2.02	2,028	127	109	116	113	169	235	464	504	424	272	189	177	243	.272	
1980	1.94	1,988	157	160	188	216	310	374	498	477	513	255	183	174	292	.327	
AVERAGE 1978-1980	2.02	2,001	130	117	128	143	209	273	446	422	379	236	158	158	234	.262	

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☒ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY RIVERSIDE

CITY BANNING

HYDROLOGIC STUDY AREA COLORADO RIVER

WATER SUPPLIER BANNING

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 12,0341980 14,020

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			63.1	45.7	57.0	76.1	102.6	127.8	158.7	162.9	134.1	106.8	83.8	42.6	1,161.2
1971			57.2	58.6	92.8	83.5	126.9	190.5	222.0	237.5	201.0	151.6	49.0	56.0	1,526.6
1972			67.8	80.3	133.7	114.9	139.9	158.3	242.0	225.6	163.9	89.4	60.0	59.2	1,535.0
1973			3/	50.6	64.2	89.3	164.3	202.3	226.0	213.9	157.4	154.5	91.9	103.8	
1974			106.1	113.9	116.2	161.2	158.9	204.6	224.5	215.9	200.6	131.5	117.6	104.4	1,855.4
1975			76.3	57.8	97.0	120.7	156.8	154.4	217.0	197.9	177.5	178.8	87.9	68.8	1,590.9
1976			93.5	107.4	115.6	123.8	135.9	203.4	195.2	179.4	91.4	80.1	104.4	106.0	1,536.4
1977			70.6	65.0	56.0	83.7	81.3	175.6	190.8	169.2	144.9	142.7	123.0	87.8	1,390.6
1978			41.1	63.0	101.7	128.3	192.7	204.0	233.3	240.9	172.7	175.8	109.2	106.9	1,769.6
1979			97.5	79.9	127.0	136.7	117.4	188.7	233.5	198.2	192.9	152.0	106.4	111.9	1,742.1
1980			126.1	93.6	127.2	141.8	137.3	188.3	250.0	233.0	211.9	205.5	178.9	152.9	2,046.5

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	atpca 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970		12,164	167	134	151	209	272	350	421	432	367	283	230	113	262	.293
1971		12,200	151	172	245	228	336	520	587	628	549	401	134	148	343	.384
1972		12,214	179	227	353	314	369	432	639	596	447	236	164	156	343	.384
1973		12,150		149	170	245	436	555	600	568	432	410	252	276		
1974		12,066	284	337	311	445	425	565	600	577	554	352	325	279	421	.472
1975		12,154	203	170	257	331	416	423	576	525	487	475	241	183	359	.402
1976		12,195	247	304	306	338	359	556	516	475	251	212	285	280	344	.385
1977		12,432	183	187	145	224	211	471	495	439	389	370	330	228	306	.343
1978		12,500	106	180	262	342	497	544	602	622	461	454	291	276	388	.435
1979		13,279	237	215	309	343	285	474	567	481	484	369	267	272	359	.402
1980		13,593	299	237	302	348	326	462	593	553	520	488	439	363	411	.460
AVERAGE 1978-1980		13,124	214	211	291	344	369	493	587	552	488	437	332	304	386	.432

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ atpca - ACRE-Feet PER CAPITA ANNUALLY

3/ QUESTIONABLE DATA

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY RIVERSIDE

CITY CENSUS POPULATION

1970 7,0471980 6,805CITY BLYTHE

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐HYDROLOGIC STUDY AREA COLORADO RIVERWATER SUPPLIER BLYTHEType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,943		3/												1,074.6
1971	2,062														1,280.5
1972	2,081														1,350.6
1973	2,110														1,050.6
1974	2,121														963.7
1975	2,136														968.6
1976	2,140		42.3	35.3	54.5	64.9	101.0	116.9	164.5	124.1	83.3	76.6	46.4	38.3	948.1
1977	2,152		43.7	45.3	51.8	84.1	74.5	122.9	153.6	131.1	106.7	80.4	51.9	44.1	990.1
1978	2,183		37.0	37.5	59.5	69.5	95.1	133.6	172.9	109.8	127.5	67.6	41.1	39.7	990.8
1979	2,217		31.1	34.5	55.2	72.4	83.6	153.9	130.4	106.8	138.4	71.0	58.3	39.4	975.0
1980	2,236		37.8	42.5	43.9	67.5	94.0	113.5	120.5	129.2	103.7	66.1	46.9	38.5	904.1

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpc 2/
1970	3.64	7,067													417	.467
1971	3.44	7,100													494	.553
1972	3.34	6,950													531	.595
1973	3.22	6,800													423	.474
1974	3.31	7,025													376	.421
1975	3.31	7,075													375	.420
1976	3.32	7,100	192	171	248	305	459	549	747	564	391	348	218	174	365	.409
1977	3.37	7,250	194	223	230	387	331	565	683	583	491	358	239	196	374	.419
1978	3.32	7,250	165	185	265	320	423	614	769	489	586	301	189	177	374	.419
1979	3.19	7,075	142	174	252	341	381	725	595	487	652	324	275	180	378	.423
1980	3.06	6,850	178	214	207	328	443	552	567	608	505	311	228	181	361	.404
AVERAGE 1978-1980	3.19	7,058	162	191	241	330	416	630	644	528	581	312	231	179	371	.416

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

3/ MONTHLY DATA NOT AVAILABLE 1970-1975.

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY RIVERSIDE

CITY CORONA

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER CORONA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 27,5191980 37,791

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			168.9	163.0	189.0	229.2	303.4	291.2	338.8	339.3	285.0	243.9	214.4	156.8	2,922.9
1971	9,604	8,419	159.2	154.5	201.8	224.3	248.0	301.3	343.9	348.7	309.9	346.1	208.1	183.7	3,029.5
1972	9,710	8,617	180.4	197.2	232.6	278.0	309.6	325.3	409.1	368.8	315.1	275.4	196.0	200.0	3,287.4
1973	10,015	8,915	202.6	169.6	170.9	243.3	315.8	380.9	394.4	395.4	335.5	319.9	233.0	222.8	3,384.1
1974	10,445	9,345	201.3	227.2	223.4	285.4	343.6	392.9	434.9	409.7	361.8	285.6	283.9	228.0	3,677.7
1975	12,556	10,806	240.7	190.9	205.3	205.4	318.8	340.8	411.6	386.9	355.6	307.4	285.0	244.4	3,492.8
1976	12,670	11,150	286.9	222.9	262.0	276.5	364.4	421.6	428.5	415.5	326.1	356.0	308.5	321.5	3,990.4
1977	12,773	11,230	296.9	282.9	277.6	305.6	280.6	346.2	402.4	344.0	331.9	311.1	294.7	257.8	3,731.7
1978	13,239	11,697	208.6	199.5	222.2	228.9	373.3	427.7	461.5	447.9	389.3	372.9	272.4	261.2	3,865.4
1979	13,699	11,883	225.9	204.7	217.4	262.1	358.6	406.6	419.7	394.0	405.3	327.2	269.2	266.3	3,757.0
1980	13,947	12,102	227.2	200.3	200.3	276.8	302.6	390.6	460.3	484.2	385.1	338.7	280.9	249.7	3,796.7

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpca 2/
1970		27,179	200	214	224	281	360	357	402	403	350	289	263	186	295	.330
1971	2.95	28,313	181	195	230	264	283	355	392	397	365	394	245	209	293	.328
1972	2.97	28,838	202	236	260	321	346	376	458	413	364	308	227	224	311	.348
1973	3.00	29,995	218	202	184	270	340	423	424	425	373	344	259	240	309	.346
1974	3.02	31,522	206	257	229	302	352	415	445	419	383	292	300	233	320	.358
1975	2.72	34,118	228	200	194	201	301	333	389	366	347	291	278	231	280	.314
1976	3.03	38,421	241	200	220	240	306	366	360	349	283	299	268	270	284	.318
1977	3.17	40,549	236	249	221	251	223	285	320	274	273	247	242	205	252	.282
1978	3.11	41,173	163	173	174	185	292	346	362	351	315	292	221	205	257	.288
1979	3.13	42,878	170	171	164	204	270	316	316	296	315	246	209	200	240	.269
1980	3.11	43,435	169	159	149	212	225	300	342	360	296	252	216	185	239	.268
AVERAGE 1975-1980	3.12	42,495	167	168	162	200	262	321	340	336	309	263	215	197	245	.275

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpca - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY RIVERSIDE

CITY CENSUS POPULATION

1970 8,3531980 9,129CITY COACHELLA

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐HYDROLOGIC STUDY AREA COLORADO RIVERWATER SUPPLIER COACHELLAType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971			28.9	59.2	51.7	46.9	44.6	77.3	81.0	72.0	62.4	36.2	39.6	35.1	634.9
1972			37.7	36.2	50.8	50.8	60.8	66.0	79.9	71.3	55.2	45.7	39.0	40.2	633.6
1973			36.6	35.5	40.9	55.2	63.0	65.0	64.2	61.5	60.1	59.1	35.2	37.4	613.7
1974			25.9	33.2	37.7	40.8	58.1	66.5	79.3	76.8	67.6	55.1	47.6	44.5	633.1
1975			39.4	31.1	46.8	56.4	63.6	74.2	71.3	66.0	57.3	67.1	36.7	49.8	659.7
1976			45.9	40.3	49.3	44.8	70.7	74.9	77.9	71.8	58.9	46.4	61.5	50.3	692.7
1977			44.2	48.4	53.6	62.6	63.4	83.2	96.2	74.8	68.8	66.0	59.5	55.3	776.0
1978			30.5	30.9	32.2	42.2	50.3	78.0	85.7	77.3	105.1	60.8	48.9	33.4	675.3
1979			37.7	37.3	36.9	51.3	57.2	80.7	83.2	76.1	74.5	65.7	59.6	54.6	714.8
1980			47.5	39.5	41.9	58.2	58.0	75.3	86.7	100.5	85.8	63.4	85.6	82.0	824.4

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970																
1971		8,458	110	250	197	185	170	305	309	275	246	138	156	134	206	.231
1972		8,338	146	150	197	203	235	264	309	276	221	177	156	156	208	.233
1973		8,415	140	151	157	219	242	257	246	236	238	227	139	143	200	.224
1974		8,427	99	141	144	161	222	263	304	294	267	211	188	170	206	.231
1975		8,477	150	131	178	222	242	292	271	251	225	255	144	190	213	.239
1976		8,593	172	162	185	174	265	291	292	270	228	174	239	189	220	.246
1977		8,876	161	195	195	235	230	312	350	272	258	240	223	201	240	.269
1978		9,007	109	123	115	156	180	289	307	277	389	218	181	120	205	.230
1979		9,070	134	147	131	189	203	297	296	271	274	234	219	194	216	.242
1980		9,129	168	149	148	213	205	275	306	355	313	224	313	290	247	.277
AVERAGE		9,069	137	140	131	186	196	287	303	301	325	225	238	201	223	.250

^{1/} gpcd - GALLONS PER CAPITA PER DAY
^{2/} afpcd - ACRE-FEET PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐
 EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
 AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY RIVERSIDE

CITY HEMET

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER HEMET

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 12,2521980 23,211

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Eastern MWD and Lake Hemet MWD

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	4,192		3/												896.2
1971	4,606		44.0	50.5	64.1	71.4	73.2	96.8	127.2	128.3	114.2	76.6	64.6	47.8	958.7
1972	4,875		46.1	51.6	76.3	91.4	104.1	88.6	134.9	119.8	90.0	71.9	51.4	49.1	975.2
1973	5,066		41.6	40.2	39.2	75.9	98.6	110.1	136.1	120.8	95.2	82.7	53.9	48.7	943.0
1974	5,342		43.0	52.2	69.9	84.3	100.2	124.6	128.7	115.3	115.3	73.4	58.1	48.2	1,013.2
1975	5,653		52.2	45.6	53.2	55.6	88.3	123.4	142.4	123.3	125.8	84.6	74.9	51.3	1,020.6
1976	6,115		64.7	51.8	81.0	84.7	100.0	134.9	138.1	140.6	73.8	82.5	73.4	72.9	1,098.4
1977	6,569		54.5	64.6	68.7	87.0	70.0	102.5	137.4	115.2	113.8	85.9	76.3	66.8	1,042.7
1978	6,727		58.4	46.4	44.4	53.9	60.9	95.9	116.7	128.7	116.2	98.2	91.7	63.5	974.9
1979	7,203		52.3	53.5	51.4	59.3	73.0	102.8	113.7	122.6	122.5	107.4	95.7	72.5	1,026.7
1980	7,505		66.2	66.6	54.4	63.8	71.8	80.8	121.6	120.7	138.0	110.1	106.5	79.4	1,079.9

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcal 2/
1970	2.70	11,303													217	.243
1971	2.75	12,658	112	142	163	188	187	255	324	327	301	195	170	122	208	.232
1972	2.87	13,967	106	127	176	218	240	211	312	277	215	166	123	113	191	.214
1973	2.84	14,381	93	100	88	176	221	255	305	271	221	186	125	109	180	.201
1974	3.00	16,002	87	117	141	176	202	260	259	232	240	148	121	97	173	.194
1975	3.10	17,502	96	93	98	106	163	235	262	227	240	156	143	95	160	.179
1976	2.90	17,725	118	101	147	159	182	254	251	256	139	150	138	133	169	.190
1977	2.88	18,924	93	122	117	153	119	181	234	196	200	146	134	114	151	.169
1978	3.02	20,349	93	81	70	88	97	157	185	204	190	156	150	101	131	.147
1979	3.05	21,969	77	87	75	90	107	156	167	180	186	158	145	106	128	.143
1980	2.99	22,413	95	102	78	95	103	120	175	174	205	158	158	114	132	.148
AVERAGE 1970-1980	3.02	21,577	88	90	74	91	102	144	176	186	194	157	151	107	130	.146

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcal - ACRE-FEET PER CAPITA ANNUALLY

3/ MONTHLY DATA NOT AVAILABLE

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY RIVERSIDE

CITY INDIO

HYDROLOGIC STUDY AREA COLORADO RIVER

WATER SUPPLIER INDIO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 14,4591980 21,611

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	3,291		85.0	97.4	98.3	132.8	173.1	212.0	310.4	217.8	176.4	147.0	113.9	85.0	1,849.1
1971	4,081		98.9	105.4	133.6	195.5	139.2	281.8	268.0	247.0	224.0	159.0	79.0	114.6	2,046.0
1972	4,184		113.2	123.9	171.7	179.0	131.6	250.3	289.0	282.0	271.9	245.9	119.9	115.6	2,294.0
1973	4,479		121.0	109.6	128.0	182.0	260.7	312.7	341.6	330.6	270.6	203.0	145.7	124.6	2,530.1
1974	4,394		107.6	125.7	149.1	193.0	249.2	317.2	331.7	306.9	263.0	192.8	147.9	118.6	2,502.7
1975	4,405		125.7	119.2	146.3	157.7	229.5	271.8	317.9	300.4	250.5	201.7	153.8	132.3	2,406.8
1976	4,765		132.1	122.0	167.1	184.5	247.8	297.7	319.1	295.0	196.6	149.3	148.7	145.3	2,405.2
1977 3/	4,765		125.1	134.8	163.2	211.8	200.2	283.9	319.9	265.5	220.4	188.7	144.5	140.7	2,398.7
1978 3/	4,909		110.9	119.8	151.9	176.9	251.9	328.6	345.5	323.0	257.8	233.2	165.0	130.7	2,595.2
1979 3/	5,357		103.9	130.1	156.3	150.9	272.0	312.6	282.3	298.5	293.6	249.2	192.0	181.0	2,622.4
1980 3/	5,966		149.1	125.9	156.3	172.0	261.3	333.9	389.2	361.6	398.9	291.5	216.9	187.8	3,044.4

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970		14,459	190	241	219	306	386	489	693	486	407	328	263	190	350	.392
1971	3.63	14,826	215	254	291	440	303	634	583	537	504	346	178	249	379	.423
1972	3.74	15,644	233	273	354	381	271	533	596	581	579	507	255	238	401	.450
1973	3.60	16,123	242	243	256	376	522	646	683	661	559	406	301	249	430	.482
1974	4.07	17,880	194	251	269	360	450	591	598	554	490	348	276	214	383	.429
1975	3.99	17,561	231	242	269	299	422	516	584	552	475	371	292	243	375	.420
1976	4.00	19,060	224	221	283	323	419	521	540	499	344	253	260	246	345	.386
1977 3/	3.97	18,908	213	255	278	373	342	500	546	453	389	322	255	240	348	.390
1978 3/	4.00	19,637	182	218	250	300	414	558	568	531	438	383	280	215	362	.405
1979 3/	3.97	21,249	158	219	237	237	413	490	429	453	461	378	301	275	338	.379
1980 3/	3.98	23,728	203	183	212	242	355	469	529	492	560	396	305	255	351	.393
AVERAGE 1978-1980	3.98	21,538	181	207	233	260	394	506	509	492	486	386	295	248	350	.392

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-FOOT PER CAPITA ANNUALLY

3/ INCLUDES DATA FROM THE WALLER TRACT MUTUAL WATER COMPANY.

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY RIVERSIDE

CITY PALM SPRINGS

HYDROLOGIC STUDY AREA COLORADO RIVER

WATER SUPPLIER DESERT WATER AGENCY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 20,9361980 32,271

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (\$) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	9,267		3/												6,096.4
1971	11,225		309.1	532.3	339.0	615.7	466.0	807.2	730.1	980.1	713.0	717.3	700.8	502.9	7,413.5
1972	12,262		464.1	481.0	483.0	726.0	655.0	662.0	838.7	1044.0	811.1	689.0	577.7	382.0	7,813.6
1973	12,936		410.9	450.9	427.1	543.4	663.5	952.8	890.6	1087.4	832.7	752.0	655.6	443.8	8,110.7
1974	13,168		405.8	497.3	443.1	598.5	718.8	787.3	933.0	901.0	904.0	874.9	605.0	467.0	8,135.7
1975	13,253		442.7	500.6	444.4	550.2	582.0	810.7	822.8	970.4	855.9	792.8	730.3	494.9	7,997.7
1976	13,647		467.4	457.9	443.9	611.3	646.4	780.1	883.7	870.1	752.8	602.5	656.5	556.1	7,728.7
1977	14,504		451.0	464.0	493.3	662.4	665.6	761.6	835.4	920.4	792.6	690.3	739.2	602.3	8,078.1
1978	16,729		377.8	313.5	392.7	534.4	677.8	949.3	943.2	996.5	992.4	781.1	708.5	525.4	8,192.6
1979	17,708		474.7	338.4	469.5	604.5	809.8	906.6	1026.5	915.5	875.5	790.6	664.3	709.8	8,585.7
1980	18,363		564.0	402.3	461.8	680.8	729.4	880.7	1023.4	976.7	1093.1	896.4	855.5	809.3	9,373.4

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	2.77	25,649	3/												651	.729
1971	2.41	27,032	369	703	405	759	556	995	871	1170	879	856	864	600	751	.841
1972	2.43	29,845	502	556	522	811	708	739	907	1128	906	745	645	413	715	.801
1973	2.49	32,233	411	500	427	562	664	985	891	1088	861	753	678	444	689	.772
1974	2.56	33,658	389	528	425	593	689	780	894	864	895	839	599	448	662	.741
1975	2.60	34,486	414	518	416	532	544	784	770	908	827	742	706	463	635	.711
1976	2.60	35,448	425	445	404	575	588	734	804	792	708	548	617	506	596	.668
1977	2.65	38,477	378	431	414	574	558	660	700	772	687	579	640	505	575	.644
1978	2.45	41,029	297	273	309	434	533	771	742	783	806	614	576	413	547	.613
1979	2.48	43,912	349	275	345	459	595	688	754	673	665	581	504	521	536	.600
1980	2.51	46,180	394	300	323	491	510	636	715	682	789	626	618	565	555	.622
AVERAGE 1970-1980	2.48	43,707	347	283	326	461	546	698	737	713	753	607	566	500	546	.612

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

3/ MONTHLY DATA NOT AVAILABLE

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY RIVERSIDE

CITY RIVERSIDE

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER RIVERSIDE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 140,089

1980 170,876

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	33,876	32,725	585.7	646.4	806.7	1016.7	1252.9	1242.4	1565.5	1500.8	1288.6	1005.4	800.4	528.9	12,240.4
1971	34,114	33,367	612.7	650.4	877.9	952.1	1041.3	1324.4	1569.2	1582.5	1311.5	1020.8	804.3	632.3	12,379.4
1972	35,042	33,853	668.6	748.4	951.3	1103.5	1271.0	1265.9	1602.9	1489.0	1166.6	942.8	707.1	645.1	12,562.2
1973 ³ / ₄	35,117 41,517	33,935 40,335	609.3	530.7	576.2	886.7	1156.2	1445.4	1761.9	1671.3	1288.9	1230.6	853.6	771.2	12,782.0
1974	43,157	41,966	624.4	793.6	753.8	1156.6	1373.2	1681.3	1820.7	1657.7	1479.5	1090.5	1048.7	759.9	14,239.9
1975	43,619	42,441	923.7	684.5	742.8	818.8	1349.0	1465.0	1793.8	1731.7	1472.9	1190.9	993.8	805.3	13,972.2
1976	44,225	43,200	1009.0	740.4	962.6	1016.4	1358.1	1655.9	1748.8	1756.6	1035.0	1215.2	1067.9	1017.2	14,583.1
1977	46,370	44,095	681.5	840.8	889.6	1123.6	958.8	1424.5	1735.1	1395.6	1293.4	1200.1	1070.5	875.4	13,488.9
1978	46,689	45,334	764.6	527.6	704.5	718.0	1658.3	2036.8	2341.2	2239.0	1782.8	1693.2	1070.6	854.4	16,391.0
1979	47,975		776.9	660.6	761.5	1299.1	1863.8	2214.7	2438.7	2280.0	2206.8	1577.6	1421.2	1379.5	18,880.4
1980	50,999	49,112	913.6	739.8	811.0	1354.9	1488.7	1958.9	2410.7	2324.3	1748.4	1926.0	1502.4	1421.0	18,599.7

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	3.52	119,332	158	193	218	284	339	347	423	406	360	272	224	143	281	.315
1971	3.66	124,899	158	186	227	254	269	353	405	409	350	264	215	163	272	.305
1972	3.61	126,327	171	204	243	291	325	334	409	380	308	241	187	165	272	.305
1973 ^{3/4}	3.59	125,895	156	151	148	235	296	383	382	362	289	267	191	167	253	.283
	3.59	148,839														
1974	3.56	153,768	131	184	158	251	288	364	382	348	321	229	227	159	254	.284
1975	3.54	154,499	193	158	155	177	282	316	375	362	318	249	214	168	248	.278
1976	3.53	156,277	208	163	199	217	280	353	361	363	221	251	228	210	255	.286
1977	3.41	158,033	139	190	182	237	196	300	354	285	273	245	226	179	234	.262
1978	3.48	162,711	152	116	140	147	329	417	464	444	365	336	219	169	276	.309
1979	3.53	169,530	148	139	145	255	355	435	464	434	434	300	279	262	305	.342
1980	3.48	177,496	166	144	147	254	271	368	438	422	328	350	282	258	286	.320
AVERAGE	3.50	169,912	155	133	144	219	318	407	455	433	376	329	260	230	289	.324

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-FOOT PER CAPITA ANNUALLY

^{3/} USE UPPER FIGURE THROUGH JUNE 30.

^{4/} USE LOWER FIGURE AFTER JUNE 30.

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SACRAMENTO

CITY UNINCORPORATED

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER ARCADE COUNTY WATER DISTRICT

Type COUNTY WATER DISTRICT

CITY CENSUS POPULATION

1970 _____

1980 _____

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER Unincorporated

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	19,795		302	256	295	531	666	990	1,079	1,171	1,086	765	386	328	7,855
1971	20,148		312	281	346	389	473	874	1,145	1,165	1,138	782	497	340	7,742
1972	20,626		339	305	423	510	736	971	1,203	1,179	1,062	680	363	288	8,059
1973	21,072		342	332	291	424	801	1,122	1,269	1,160	930	597	412	287	7,967
1974	21,338		320	301	295	335	724	1,091	1,158	1,139	1,083	877	513	325	8,161
1975	21,523		351	351	343	349	622	1,140	1,153	1,232	1,025	736	425	311	8,038
1976	21,727		343	411	405	537	852	1,121	1,210	1,166	877	670	580	437	8,609
1977	21,985		392	317	305	503	478	787	969	982	638	523	297	261	6,452
1978	22,126		293	273	325	302	771	1,053	1,174	1,146	697	743	412	301	7,490
1979	22,222		331	281	320	454	894	1,077	1,104	1,052	973	551	321	341	7,779
1980	22,350		292	332	350	520	780	1,075	1,106	1,099	931	711	434	392	8,031

YEAR OF RECDRD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) ^{1/}														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpc ^{2/}	
1970	3.95	78,136	125	117	122	227	275	422	445	483	463	316	165	135	275	.308	
1971	3.94	79,383	127	126	141	163	192	367	465	473	478	318	209	138	267	.299	
1972	3.93	81,060	135	130	160	210	293	399	479	469	437	271	149	115	272	.305	
1973	3.92	82,602	134	144	114	171	313	453	496	453	375	233	166	112	264	.296	
1974	3.91	83,432	124	129	114	134	280	436	448	440	433	339	205	126	268	.300	
1975	3.91	84,054	135	149	132	138	239	452	442	473	406	282	169	119	262	.293	
1976	3.84	83,508	132	170	156	214	329	447	467	450	350	259	232	169	282	.316	
1977	3.78	83,103	152	136	118	202	186	316	376	381	256	203	119	101	213	.239	
1978	3.72	82,309	115	118	127	122	302	426	460	449	282	291	167	118	249	.279	
1979	3.66	81,333	131	123	127	186	355	441	470	417	399	219	132	135	262	.293	
1980	3.60	80,500	117	142	144	215	313	445	443	440	386	285	180	157	273	.306	
AVERAGE 1979-1980	3.66	81,381	121	128	133	174	323	437	458	435	356	265	160	137	261	.292	

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpc - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☐ FLAT RATE ☒ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SACRAMENTO

CITY UNINCORPORATED

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER ARVIN WATER COMPANY

Type PRIVATE WATER COMPANY

CITY CENSUS POPULATION

1970 _____

1980 _____

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER Unincorporated ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	2,877		36.2	34.5	51.5	74.3	107.1	111.7	138.6	122.9	99.1	65.7	35.5	34.6	911.7
1971	3,102		33.3	31.9	42.1	48.1	90.5	114.9	138.8	132.0	102.1	68.2	60.2	28.4	890.5
1972	3,218		41.2	39.0	59.9	64.6	106.7	128.5	146.4	135.6	94.4	48.8	41.8	43.7	950.6
1973	3,311		42.8	36.9	46.3	71.3	123.4	134.4	149.8	134.2	93.0	56.3	40.2	40.3	968.9
1974	3,407		40.8	38.2	43.3	53.2	117.8	134.4	129.6	137.1	111.8	81.7	45.1	43.8	976.8
1975	3,477		42.8	38.0	43.9	52.2	114.2	132.9	141.6	125.3	111.3	62.5	44.2	45.3	954.2
1976	3,522		49.2	44.5	51.6	64.9	129.7	135.7	143.2	108.6	90.5	80.3	52.5	51.9	1,002.6
1977	3,609		41.5	36.3	41.2	65.9	54.4	97.4	111.1	103.9	78.8	62.6	41.5	36.6	771.2
1978	3,634		36.0	32.8	38.4	39.2	93.0	117.2	133.5	123.3	85.4	80.7	46.6	41.1	867.2
1979	3,708		38.8	34.6	41.6	56.8	102.4	133.5	131.2	125.4	108.5	67.1	42.4	42.4	924.7
1980	3,733		40.2	54.9	78.5	99.3	128.0	133.9	118.2	96.7	63.3	46.8	39.7	40.6	940.1

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970	3.70	10,659	110	116	156	232	324	349	419	372	310	199	111	105	234	.262
1971	3.48	10,789	100	106	126	149	271	355	415	395	315	204	186	85	226	.253
1972	3.37	10,855	122	124	178	198	317	395	435	403	290	145	128	130	239	.268
1973	3.30	10,911	127	121	137	218	365	411	443	397	284	166	123	119	243	.272
1974	3.22	10,967	120	124	127	162	346	408	381	403	340	240	137	129	244	.273
1975	3.17	11,009	125	123	129	158	335	402	415	367	337	183	134	133	237	.265
1976	3.17	11,165	142	137	149	194	375	405	414	314	270	232	157	150	245	.274
1977	3.17	11,441	117	113	116	192	153	284	313	293	230	177	121	103	185	.207
1978	3.17	11,520	101	102	108	113	260	339	374	345	247	226	135	115	206	.231
1979	3.17	11,754	106	105	114	161	281	379	360	344	308	184	120	116	216	.242
1980	3.17	11,825	110	160	214	280	349	377	322	264	178	128	112	111	217	.243
AVERAGE 1978-1980	3.17	11,700	106	122	145	185	297	365	352	318	244	179	122	114	213	.239

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SACRAMENTO

CITY UNINCORPORATED, EXCEPT ISLETON

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER CITIZENS UTILITIES COMPANY OF CALIFORNIA

Type PRIVATE WATER COMPANY

CITY CENSUS POPULATION

1970 _____

1980 _____

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER Unincorporated

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			192	169	171	233	346	533	602	691	632	577	320	232	4,698
1971			193	201	201	231	206	408	604	756	661	569	359	269	4,658
1972			213	229	237	302	375	589	695	768	722	566	311	250	5,257
1973			249	269	225	247	421	685	824	866	729	570	362	220	5,667
1974			235	234	228	283	336	631	766	879	781	805	520	375	6,073
1975			339	270	280	248	404	783	978	1,030	965	848	505	386	7,036
1976			349	384	424	532	764	1,009	1,091	1,143	946	901	762	546	8,851
1977			438	478	359	343	479	526	752	851	839	714	548	368	6,695
1978			355	337	356	359	415	861	1,038	1,252	1,071	920	829	507	8,300
1979	29,499		405	364	369	460	581	1,045	1,250	1,296	1,264	1,199	761	575	9,569
1980	32,230		467	466	514	498	723	1,043	1,230	1,398	1,400	1,213	885	715	10,552

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	atpca 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970		56,707	100	106	97	137	197	313	342	393	372	328	188	132	227	.254
1971		60,315	103	119	108	128	110	225	323	404	365	304	198	144	212	.237
1972		63,923	107	124	120	157	189	307	351	388	376	286	162	126	225	.252
1973		67,531	119	142	107	122	201	338	394	414	360	272	179	105	230	.258
1974		71,139	107	117	103	133	152	296	347	399	366	365	244	170	234	.262
1975		74,747	146	129	121	111	174	349	422	445	430	366	225	167	258	.289
1976		81,883	137	162	167	217	301	411	430	450	385	355	310	215	295	.330
1977		89,019	159	192	130	128	174	397	273	308	314	259	205	133	206	.231
1978		96,155	119	125	119	124	139	298	348	420	371	309	287	170	236	.264
1979	3.50	103,291	126	126	115	148	181	337	390	405	408	374	246	180	254	.284
1980	3.43	110,427	136	146	150	150	211	315	359	408	423	354	267	209	261	.292
AVERAGE 1978-1980	3.50	103,291	127	132	128	141	177	317	366	411	401	346	267	186	250	.284

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ atpca - ACRE-FEET PER CAPITA ANNUALLY

* METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SACRAMENTO

CITY UNINCORPORATED

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER DEL PASO MANOR COUNTY WATER DISTRICT

Type COUNTY WATER DISTRICT

CITY CENSUS POPULATION

1970 _____

1980 _____

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER Unincorporated

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *	TOTAL WATER INTO SYSTEM (million gallons)													ANNUAL
		SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	
1970															
1971	1,725		42.5	22.2	22.7	36.6	64.9	93.9	94.9	87.3	59.2	30.1	25.4	17.6	597.3
1972	1,744		18.0	18.0	24.8	29.0	54.9	87.2	94.0	83.1	42.5	22.2	22.9	23.1	519.7
1973	1,751		27.6	18.4	30.4	34.5	77.5	96.0	89.4	75.8	37.0	27.6	21.2	21.0	556.4
1974	1,758		22.0	23.3	24.7	46.8	86.2	65.2	86.2	85.8	55.6	33.7	25.2	22.1	576.8
1975	1,759		21.9	20.9	24.9	43.2	70.6	78.1	91.3	70.3	62.8	26.8	23.2	21.8	555.8
1976	1,767		29.7	23.4	35.9	48.4	69.4	89.4	70.2	60.2	47.1	40.3	29.6	25.7	569.3
1977	1,778		19.3	18.7	27.3	34.3	42.9	64.0	70.5	94.4	68.7	47.6	41.7	28.3	557.7
1978	1,778		15.8	14.1	19.6	29.8	58.2	55.8	89.7	59.1	49.8	39.9	21.9	19.2	472.9
1979	1,780		19.2	16.6	25.4	18.5	40.9	73.2	80.8	73.9	59.3	49.2	23.2	20.1	500.3
1980	1,785		21.5	21.2	17.1	27.4	41.9	64.5	66.2	79.9	69.2	50.1	33.5	25.6	518.1

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970																
1971	2.61	4,502	305	176	163	271	465	695	680	626	438	216	188	126	363	.407
1972	2.66	4,639	125	134	172	208	382	627	654	578	305	154	165	161	306	.343
1973	2.71	4,745	188	138	207	242	527	674	608	515	260	188	149	143	321	.360
1974	2.75	4,835	147	172	165	323	575	450	575	572	383	225	174	147	327	.366
1975	2.80	4,930	143	151	163	292	462	528	597	460	425	175	157	143	309	.346
1976	2.83	5,001	192	161	232	323	448	596	453	388	314	260	197	166	311	.348
1977	2.86	5,085	122	131	173	225	272	420	447	599	450	302	273	180	300	.336
1978	2.89	5,138	99	98	123	193	365	362	563	371	323	251	142	121	252	.282
1979	2.91	5,179	120	114	158	119	255	471	503	460	302	306	149	125	265	.297
1980	2.94	5,253	132	139	105	174	257	409	407	491	439	308	213	157	269	.301
AVERAGE 1978-1980	2.91	5,190	117	117	129	162	292	414	491	441	381	288	168	134	262	.293

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SACRAMENTO

CITY SACRAMENTO

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER SACRAMENTO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 257,105

1980 275,741

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Arcade Water District

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	77,529		1,323	1,232	1,531	1,886	2,185	3,256	3,810	3,859	3,170	2,159	1,608	1,349	27,368
1972	78,896		1,296	1,272	1,904	1,937	3,010	3,443	3,968	3,910	2,795	1,646	1,396	1,463	28,040
1973	79,101		1,386	1,256	1,417	2,196	3,243	3,735	3,976	3,735	2,751	1,902	1,328	1,256	28,181
1974	79,236		1,297	1,206	1,346	1,689	2,896	3,331	3,475	3,626	3,159	2,333	1,315	1,232	26,905
1975	80,746		1,156	1,190	1,369	1,682	3,008	3,663	3,797	3,609	3,352	2,163	1,430	1,376	27,795
1976	83,618		1,385	1,329	1,765	2,054	3,247	3,646	3,735	3,284	2,827	2,500	1,335	1,605	28,712
1977	83,944		1,365	1,174	1,514	2,012	1,871	2,824	3,213	2,377	2,501	2,156	1,522	1,336	23,865
1978	86,900		1,350	1,209	1,421	1,428	2,715	3,568	3,944	3,847	2,806	2,548	1,685	1,445	27,966
1979	90,264		1,331	1,280	1,443	1,750	2,883	3,893	3,879	3,913	3,423	2,321	1,573	1,519	29,208
1980	93,481		1,482	1,342	1,567	2,043	2,795	3,427	4,059	3,941	3,395	2,279	1,964	1,634	29,928

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) 1/														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/	
1970																	
1971	3.35	259,722	164	169	190	242	271	418	473	479	407	268	206	168	289	.324	
1972	3.11	261,935	160	167	234	246	371	438	459	482	356	203	178	180	292	.327	
1973	3.29	260,242	172	172	176	281	402	478	493	463	352	236	170	156	297	.333	
1974	3.26	258,309	162	167	168	218	362	430	434	453	408	291	170	154	285	.319	
1975	3.23	260,713	143	163	169	215	372	468	470	447	429	268	183	170	292	.327	
1976	3.18	265,905	168	172	214	257	394	457	453	398	354	303	167	195	295	.330	
1977	3.13	262,745	168	160	186	255	230	358	394	292	317	265	193	164	249	.279	
1978	3.07	266,783	163	162	172	178	328	446	477	465	351	308	211	175	287	.321	
1979	3.02	274,711	156	166	169	212	339	472	455	459	415	273	191	178	291	.326	
1980	2.97	277,600	172	167	182	245	325	412	472	458	408	265	236	190	295	.330	
AVERAGE 1978-1980	3.02	273,031	164	165	174	212	331	443	468	461	391	282	213	181	291	.326	

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN BENITO

CITY HOLLISTER

HYDROLOGIC STUDY AREA CENTRAL COAST

WATER SUPPLIER HOLLISTER

Type MUNICIPAL WATER DISTRICT

CITY CENSUS POPULATION

1970 7,6631980 11,625

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Sunnyslope Water Company

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970		2,494	23	23	33	35	48	45	51	51	51	36	26	25	447
1971		2,515	25	25	27	31	36	47	52	65	48	38	30	29	453
1972		2,500	25	25	38	39	48	48	66	79	56	35	24	25	508
1973		2,489	26	22	27	38	48	54	53	66	48	38	30	25	475
1974		2,534	25	25	38	39	48	48	64	74	78	52	34	28	553
1975		2,634	33	27	37	39	53	59	67	90	94	69	36	35	639
1976		2,675	37	35	42	46	61	66	69	93	67	44	37	36	633
1977		2,657	31	32	35	43	38	45	65	76	63	64	44	42	578
1978		2,765	42	39	45	41	61	62	67	110	105	74	57	53	756
1979		2,959	43	42	40	57	70	50	81	101	103	67	55	57	766
1980	3/	4,015	59	53	56	48	56	69	79	93	88	76	76	50	803

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	apca 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970 4/	3.073	7,700	96	107	138	152	201	195	214	214	221	151	113	105	159	.178
1971	3.062	7,700	105	116	113	134	151	203	218	272	208	159	130	121	161	.180
1972	3.080	7,700	105	112	159	169	201	208	276	331	242	147	104	105	180	.202
1973	3.053	7,600	110	103	115	167	204	237	225	280	211	161	132	106	171	.192
1974	3.078	7,800	103	114	157	167	199	205	265	306	333	215	145	116	194	.217
1975	3.075	8,100	131	119	147	160	211	243	267	358	387	275	148	139	216	.242
1976	3.065	8,200	146	147	165	187	240	268	271	366	272	173	150	142	211	.236
1977	3.086	8,200	122	139	138	175	149	183	256	299	256	252	179	165	193	.216
1978	3.074	8,500	159	164	171	161	231	243	254	417	412	281	224	201	244	.273
1979	3.075	9,100	152	165	142	209	248	183	287	358	377	238	201	202	231	.259
1980	2.895	11,600	164	158	156	138	156	198	220	259	253	211	218	139	189	.212
AVERAGE 1978-1980	3.015	9,733	158	162	156	169	212	208	254	345	347	243	214	181	221	.248

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ apca - ACRE-FOOT PER CAPITA ANNUALLY

3/ ANNEXED LARGE TRACT

4/ 1970 DIFFERS FROM BULLETIN 166-2 BECAUSE IT WAS DETERMINED THAT THE POPULATION SERVED OUTSIDE OF THE CITY BOUNDARY WAS EQUIVALENT TO THAT SERVED INSIDE THE CITY BY A PRIVATE WATER COMPANY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN BERNARDINO

CITY BARSTOW

HYDROLOGIC STUDY AREA SOUTH LAHONTON

WATER SUPPLIER SOUTHERN CALIFORNIA WATER COMPANY (BARSTOW SYSTEM)

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 17,442

1980 17,690

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS*		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	5,215		85.9	102.8	131.8	161.8	220.5	257.5	296.0	289.3	219.1	166.4	121.4	90.7	2,143.2
1971	5,213		93.5	93.6	128.4	149.8	174.3	229.9	276.5	280.5	217.7	149.3	108.4	88.1	1,990.0
1972	5,216		90.1	104.2	160.0	172.2	209.7	216.4	296.9	265.4	199.0	137.2	89.1	82.7	2,022.9
1973	5,257		83.5	77.3	100.6	158.3	214.7	254.7	301.7	277.2	221.5	177.2	115.6	104.3	2,086.6
1974	5,332		81.8	127.0	150.0	175.6	203.4	286.5	309.8	296.8	270.6	181.9	138.4	97.4	2,319.2
1975	5,418		96.9	96.9	140.9	164.8	237.1	280.8	312.6	310.4	230.0	180.5	129.4	110.8	2,291.1
1976	5,589		113.0	105.6	137.6	170.0	238.0	275.3	321.7	282.1	187.8	168.2	121.4	102.0	2,222.7
1977	5,696		90.3	96.4	122.4	171.7	175.1	255.9	326.1	265.7	237.4	190.3	137.3	110.3	2,178.9
1978	6,954 ^{3/}		85.5	105.6	139.7	181.1	282.7	359.5	428.1	392.4	306.3	275.9	176.2	126.7	2,859.7
1979	7,107		94.2	90.9	124.4	197.7	280.6	316.2	342.4	288.9	297.6	224.7	148.0	123.6	2,529.2
1980	7,200		109.6	106.0	119.6	186.1	219.1	303.8	357.4	374.1	273.2	236.5	169.5	131.2	2,586.1

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	3.88	20,222	137	182	210	267	352	424	472	461	361	265	200	145	290	.325
1971	4.06	21,165	143	158	196	236	266	362	421	428	343	228	171	134	258	.289
1972	4.01	20,916	139	172	247	274	323	345	458	409	317	212	142	128	264	.296
1973	3.95	20,765	130	133	156	254	334	409	469	423	356	275	186	162	275	.308
1974	3.89	20,768	127	218	233	282	316	460	481	461	434	283	222	151	306	.343
1975	3.84	20,805	150	166	218	264	368	450	485	481	369	280	207	172	302	.338
1976	3.78	21,154	172	172	210	268	363	434	491	430	296	256	191	156	287	.321
1977	3.73	21,218	137	162	186	270	266	402	496	404	373	289	216	168	281	.315
1978	3.66	25,452 ^{3/}	108	148	177	237	358	471	543	497	401	350	231	161	308	.345
1979	3.62	25,727	118	126	156	256	352	410	429	362	386	282	192	155	269	.301
1980	3.56	25,661	138	142	150	242	275	395	449	470	355	297	220	165	275	.308
AVERAGE	3.61	25,613	121	139	161	245	328	425	474	443	381	310	214	160	284	.318

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY^{3/} INCREASE DUE TO ANNEXATION OF MILITARY FACILITYMETERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN BERNARDINO

CITY ONTARIO

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER ONTARIO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 64,118

1980 88,820

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

Cucamonga Co. W.D.

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	17,183		225.6	296.3	341.2	444.1	575.5	586.0	740.4	725.9	620.1	458.2	365.9	258.5	5,667.7
1971	17,477		286.2	295.7	406.8	442.2	493.0	607.1	682.8	691.7	610.6	534.0	398.8	316.5	5,765.4
1972	17,619		338.8	392.6	518.2	555.3	631.0	631.1	773.7	710.0	587.3	471.6	342.5	357.7	6,309.8
1973	17,755		323.8	274.9	302.6	448.9	554.6	728.7	749.8	742.2	564.8	585.4	379.0	349.0	6,003.7
1974	18,457		294.5	350.2	320.8	472.3	584.6	690.1	775.3	693.8	651.9	484.3	383.7	305.4	6,006.9
1975	19,500		338.1	231.6	301.6	319.4	526.9	591.2	686.8	660.8	612.5	481.2	414.9	355.7	5,520.7
1976	19,600		426.3	313.1	395.8	406.8	584.4	683.5	717.1	617.8	458.9	512.0	452.2	446.0	6,013.9
1977	20,114		331.8	371.7	402.6	485.2	403.7	475.9	490.8	502.6	530.9	508.8	424.6	332.4	5,261.0
1978	20,552		397.6	255.2	309.5	312.2	626.3	567.8	864.5	807.2	585.3	596.2	406.7	354.1	6,082.6
1979	22,575		339.4	296.8	332.7	483.9	596.8	836.2	912.1	772.9	890.1	585.1	458.0	471.8	6,975.8
1980	24,822		369.1	371.0	393.9	608.4	630.9	809.0	982.6	1,007.5	763.8	732.5	593.2	495.0	7,756.9

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcas ^{2/}
1970	3.74	64,318	129	165	172	231	289	305	372	365	322	230	190	130	242	.270
1971	3.71	64,861	142	163	202	227	245	312	340	344	314	266	205	157	244	.273
1972	3.63	63,930	171	212	261	290	318	329	390	358	306	238	179	180	270	.303
1973	3.58	63,484	165	155	154	236	282	383	381	377	297	297	199	177	259	.290
1974	3.38	62,330	152	201	166	253	303	369	401	359	349	251	205	158	264	.296
1975	3.27	63,782	171	130	153	167	266	309	347	334	320	243	217	180	237	.266
1976	3.39	66,470	207	162	192	204	284	343	348	300	230	249	227	217	247	.277
1977	3.50	70,353	152	189	185	230	185	225	225	230	252	233	201	152	205	.230
1978	3.55	72,887	176	125	137	143	277	260	383	357	268	264	186	157	229	.256
1979	3.51	79,351	138	134	135	203	243	351	371	314	374	238	192	192	241	.270
1980	3.48	86,361	138	148	147	235	236	312	367	376	295	274	229	185	245	.274
AVERAGE 1978-1980	3.51	79,533	151	136	140	194	252	308	374	349	312	259	202	178	238	.267

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcas - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN BERNARDINO

CITY REDLANDS

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER REDLANDS

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 36,3551980 43,619

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	11,261	9,721	237	279	258	350	429	489	609	570	452	327	309	230	4,539
1971	11,441	9,889	251	241	352	379	372	535	681	681	554	417	301	229	4,993
1972			260	289	396	523	530	541	729	836	535	373	270	226	5,508
1973	13,030	11,421	215	192	216	370	584	733	756	711	552	557	436	404	5,726
1974	13,031	11,421	348	323	313	477	621	717	721	694	626	436	334	252	5,862
1975	13,085	11,421	248	178	200	214	453	519	645	632	546	387	310	208	4,540
1976	13,763	11,995	307	195	241	274	485	619	619	611	306	327	307	309	4,600
1977	13,968	12,195	201	245	248	354	262	466	635	532	493	426	347	284	4,493
1978			163	141	161	179	476	1100	704	599	472	511	261	210	4,977
1979	14,769	12,727	170	163	173	337	429	657	767	722	715	454	390	369	5,346
1980	15,562	13,484	202	198	208	368	392	685	849	726	584	580	467	429	5,688

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	3.74	42,060	182	237	198	277	329	388	467	437	358	251	245	176	296	.332
1971	3.68	42,103	192	204	270	300	285	424	522	522	439	319	238	175	325	.364
1972		44,395	189	224	288	393	385	406	530	607	402	271	203	164	339	.380
1973	3.58	46,687	149	147	149	264	404	523	522	491	394	385	311	279	336	.376
1974	3.54	46,104	243	250	219	345	435	518	504	486	453	305	241	176	348	.390
1975	3.49	45,641	175	139	141	156	320	379	456	447	399	274	226	147	273	.306
1976	3.45	47,427	209	142	164	193	330	435	421	416	215	222	216	210	265	.297
1977	3.40	47,542	136	184	168	248	178	327	431	361	346	289	243	193	259	.290
1978		48,140	109	105	108	124	319	762	472	401	327	342	181	141	283	.317
1979	3.30	48,738	113	119	115	230	284	449	508	478	489	300	267	244	301	.337
1980	3.24	50,395	129	135	133	243	251	453	543	465	386	371	309	275	308	.345
AVERAGE 1978-1980		49,091	117	120	119	199	285	555	508	448	401	338	252	220	297	.333

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY* METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN BERNARDINO

CITY RIALTO

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER RIALTO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 28,370

1980 35,615

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

West San Bernardino Co. W.D., Fontana Water Co.

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	6,161	6,159	88.2	98.9	112.1	144.9	236.0	226.9	283.3	277.3	205.6	169.6	127.3	83.6	2,057.3
1971	6,386	6,384	95.2	99.6	131.4	140.6	187.5	228.0	280.1	286.4	222.0	162.1	125.4	89.6	2,047.9
1972	6,566	6,565	100.2	117.5	155.1	202.1	220.4	236.0	320.4	263.6	204.7	155.0	114.9	105.3	2,195.2
1973	6,662	6,660	98.3	63.2	81.5	127.7	190.8	262.5	300.1	244.1	195.9	176.1	116.9	104.4	1,961.5
1974	6,730	6,730	93.9	103.8	97.6	149.5	218.0	245.0	317.0	265.7	234.4	158.0	120.0	104.1	2,107.0
1975	6,694	6,694	112.1	84.4	90.7	91.0	180.3	220.3	306.7	257.2	227.8	151.0	131.0	112.5	1,965.0
1976	6,738	6,738	138.3	103.3	128.2	134.8	214.1	273.7	316.2	272.6	131.5	141.7	147.0	136.1	2,137.5
1977	6,749	6,749	110.4	119.4	117.6	163.2	132.7	209.2	283.1	211.5	164.4	166.3	139.2	112.4	1,929.4
1978	7,315	7,315	89.2	82.1	91.8	97.1	195.9	254.5	319.4	251.4	205.9	195.7	119.4	113.5	2,015.9
1979	7,888	7,887	83.1	89.6	98.7	149.0	198.3	280.1	305.2	262.6	261.2	177.4	135.2	167.7	2,208.1
1980	8,246	8,243	118.3	101.8	116.1	159.4	155.9	287.2	359.9	306.2	242.9	177.0	180.9	153.8	2,359.4

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
1970	3.60	22,165	128	159	163	218	343	341	412	404	309	247	191	122	254	.285
1971	3.52	22,485	137	158	189	208	269	338	402	411	329	233	186	129	250	.280
1972	3.44	22,568	143	180	222	299	315	349	458	377	302	222	170	151	266	.298
1973	3.40	22,651	140	100	116	188	272	386	427	348	288	251	172	149	237	.266
1974	3.38	22,750	133	163	138	219	309	359	449	377	343	224	176	148	254	.284
1975	3.43	22,947	158	131	128	132	253	320	431	362	331	212	190	158	235	.263
1976	3.43	23,145	193	154	179	194	298	394	441	380	189	197	212	190	252	.282
1977	3.46	23,342	153	183	163	233	183	299	391	292	235	230	199	155	226	.253
1978	3.22	23,540	122	125	126	137	268	360	438	345	292	268	169	156	235	.263
1979	3.01	23,737	113	135	134	209	269	393	415	357	367	241	190	228	255	.286
1980	2.95	24,311	157	144	154	219	207	394	478	406	333	235	248	204	265	.297
AVERAGE 1978-1980	3.06	23,863	131	135	138	188	248	382	444	369	331	248	202	196	252	.282

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN BERNARDINO

CITY CENSUS POPULATION

CITY SAN BERNARDINO1970 106,8691980 118,057HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER SAN BERNARDINOOTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
E. San Bernardino CWD, S. San Bernardino CWD,
Valley Farms, and Delson Water Co.Type MUNICIPAL WATER DEPARTMENT

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	29,683		415.0	441.5	502.3	674.7	914.4	986.1	1227.9	1171.9	982.0	740.3	595.1	389.7	9,040.9
1971	29,996		442.7	451.3	579.6	624.4	655.1	968.0	1168.6	1200.4	988.1	718.9	522.4	431.0	8,750.5
1972	30,441		470.7	558.6	755.4	815.7	921.4	958.5	1250.1	1108.5	839.6	536.5	428.4	449.1	9,092.5
1973	30,498		426.1	359.6	295.1	499.6	786.3	954.2	719.2	971.7	720.2	669.4	431.9	360.8	7,194.1
1974	30,666		286.3	385.6	356.6	576.6	741.5	1001.9	758.0	906.9	861.0	563.8	414.4	353.1	7,205.7
1975	30,116		505.0	414.5	448.1	450.8	821.8	945.5	1213.1	1214.3	994.2	739.0	603.9	508.9	8,859.1
1976	30,411		567.1	436.2	570.1	572.9	826.8	1035.8	1128.4	1063.7	609.2	687.6	589.7	583.4	8,670.9
1977	31,613		434.2	486.9	520.1	667.3	550.4	856.8	1111.5	939.5	841.6	766.7	634.5	505.3	8,314.8
1978	34,534		426.4	290.8	341.8	300.4	449.5	868.3	1073.0	1056.0	889.1	754.8	656.0	446.2	7,552.3
1979	33,817		422.3	322.4	338.8	419.7	527.3	764.7	1125.6	1125.1	995.7	828.4	553.6	615.2	8,038.8
1980	33,930		512.0	386.9	375.5	468.7	546.6	729.4	1011.6	1200.8	995.4	846.6	821.3	594.8	8,489.6

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	atpcd ^{2/}
1970	3.24	96,101	139	164	169	234	307	342	412	393	341	248	206	131	258	.289
1971	3.24	97,200	147	166	192	214	217	332	388	398	339	239	179	143	247	.277
1972	3.19	96,960	157	199	251	280	307	330	416	369	289	178	147	149	256	.287
1973	3.17	96,593	142	133	99	172	263	329	240	325	249	224	149	120	204	.229
1974	3.08	94,490	98	146	122	203	253	353	259	310	304	192	146	121	209	.234
1975	3.11	93,697	174	158	154	160	283	336	418	418	354	254	215	175	259	.290
1976	3.12	94,845	193	159	194	201	281	364	384	362	214	234	207	198	250	.280
1977	3.03	95,847	146	181	175	232	185	298	374	316	293	258	221	170	238	.267
1978	2.88	99,308	139	105	111	101	146	291	349	343	298	245	220	145	208	.233
1979	3.00	101,289	134	114	108	138	168	252	358	358	328	264	182	196	217	.243
1980	3.02	102,325	161	130	118	153	172	238	319	379	324	267	268	188	227	.254
AVERAGE 1978-1980	2.97	100,974	145	116	112	131	162	260	342	360	317	259	223	176	217	.243

^{1/} gpcd - GALLONS PER CAPITA PER DAY
^{2/} atpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐
 EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
 AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN BERNARDINO

CITY UPLAND

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER UPLAND

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 32,551

1980 47,647

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	8,327	8,272	125.0	148.5	169.8	221.4	316.6	285.8	424.9	377.1	340.8	249.9	196.1	112.1	2,968.0
1971	8,624	8,472	133.2	148.0	185.9	197.3	230.9	296.0	385.4	392.7	318.1	272.1	192.7	148.2	2,900.5
1972	8,952	8,784	154.0	192.9	258.9	287.1	345.9	360.7	435.3	396.3	330.3	251.4	174.2	162.7	3,349.7
1973	9,275	9,170	149.1	122.1	124.3	151.7	289.2	416.3	445.6	416.1	320.0	326.3	215.6	183.9	3,160.2
1974	9,597	9,359	140.5	188.3	171.1	278.0	305.7	413.7	488.5	436.5	392.9	286.6	224.2	186.2	3,512.2
1975	9,920	9,725	200.9	152.6	159.6	172.2	330.2	340.6	442.5	427.3	403.8	308.8	279.3	242.9	3,460.7
1976	10,324	10,135	286.9	194.6	248.6	263.6	391.3	510.5	514.0	508.0	306.2	350.2	311.5	242.5	4,127.5
1977	11,002	10,813	182.6	230.8	210.3	277.5	243.9	375.6	465.3	380.1	375.1	344.0	285.5	233.1	3,603.8
1978	11,801	11,618	153.1	157.7	171.7	166.8	393.6	511.3	556.2	527.9	428.5	417.4	244.1	207.6	3,935.9
1979	12,419	12,230	172.4	159.3	181.2	296.5	373.4	534.7	597.9	556.9	572.2	386.1	309.9	315.7	4,456.9
1980	12,672	12,481	219.9	191.3	215.1	349.0	323.9	537.0	695.7	626.6	517.8	521.0	451.0	369.2	5,017.5

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	3.94	32,771	123	162	167	225	312	291	418	371	347	246	199	110	248	.278
1971	3.92	33,814	127	156	177	194	220	292	368	375	314	260	190	141	235	.263
1972	3.85	34,490	144	193	242	277	324	349	407	371	319	235	168	152	265	.297
1973	3.85	35,755	135	122	112	141	261	388	402	375	298	294	201	166	242	.271
1974	3.79	36,395	125	185	152	255	271	379	433	387	360	254	205	165	264	.296
1975	3.82	37,915	171	144	136	151	281	299	376	364	355	263	246	207	250	.280
1976	3.89	40,171	230	167	200	219	314	424	413	408	254	281	258	195	281	.315
1977	3.86	42,413	139	194	160	218	186	295	354	289	295	262	224	177	233	.261
1978	3.85	45,375	109	124	122	123	280	376	395	375	315	297	179	148	238	.267
1979	3.87	48,045	116	118	122	206	251	371	401	374	397	259	215	212	254	.285
1980	3.82	48,377	147	136	143	240	216	370	464	418	357	347	311	246	283	.317
AVERAGE 1970-1980	3.85	47,266	124	126	129	190	249	372	420	389	356	301	235	202	258	.289

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN BERNARDINO

CITY VICTORVILLE

HYDROLOGIC STUDY AREA SOUTH LAHONTAN

WATER SUPPLIER VICTOR VALLEY COUNTY WATER DISTRICT

Type COUNTY WATER DISTRICT

CITY CENSUS POPULATION

1970 10,845

1980 14,220

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	3,584		3/												1,543.6
1971	3,681		56.2	83.6	78.4	112.4	127.5	172.4	187.6	210.8	168.7	115.3	77.5	55.2	1,445.6
1972	3,794		50.4	70.7	111.5	123.4	151.0	176.2	221.2	200.8	157.4	89.3	61.5	56.1	1,469.5
1973	3,876		60.6	54.7	60.0	109.6	156.6	226.3	246.1	197.1	170.3	143.0	98.8	67.4	1,590.5
1974	3,940		45.6	63.2	74.4	117.6	183.6	208.8	216.7	213.8	169.4	121.4	92.2	59.2	1,565.9
1975	3,992		57.2	75.6	73.7	97.7	173.6	192.8	238.6	212.7	158.1	131.4	75.4	69.1	1,555.9
1976	3,874		74.7	58.2	95.1	126.9	159.9	198.4	208.4	171.7	113.0	95.4	74.9	70.0	1,446.6
1977	3,998		58.6	66.6	77.9	114.7	107.5	165.7	200.0	172.0	151.4	119.8	73.0	60.4	1,367.6
1978	4,630		44.0	64.4	59.4	82.1	147.6	183.1	212.2	197.5	150.2	125.2	100.9	68.9	1,435.5
1979	5,115		57.3	60.6	67.5	104.5	165.3	180.8	228.7	217.4	184.4	147.1	114.6	73.5	1,601.7
1980	5,368		71.2	60.8	66.2	117.5	135.0	218.2	266.1	245.0	223.1	192.0	189.0	105.1	1,889.2

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970		12,285													344	.385
1971	3.37	12,395	146	241	204	302	332	464	488	549	454	300	208	114	320	.358
1972	3.37	12,786	127	191	281	322	381	459	558	507	410	225	160	142	314	.352
1973	3.34	12,946	151	151	150	282	390	583	613	491	438	356	254	168	337	.377
1974	3.31	13,061	113	173	184	300	453	533	535	528	432	300	235	146	328	.367
1975	3.26	13,006	142	208	183	250	431	494	592	528	405	326	193	171	328	.367
1976	3.26	12,621	191	159	243	335	409	524	533	439	298	244	198	179	313	.351
1977	3.23	12,906	146	184	195	296	269	428	500	430	391	299	189	151	290	.325
1978	3.20	14,816	96	155	129	185	321	412	462	430	338	273	227	150	265	.297
1979	3.17	16,240	114	133	134	214	328	371	454	432	378	292	235	146	270	.302
1980	3.15	16,895	136	124	126	232	258	431	508	468	440	367	373	201	306	.343
AVERAGE	3.17	15,984	115	137	130	210	302	405	475	443	385	311	278	166	280	.314

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

3/ MONTHLY DATA NOT AVAILABLE

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN DIEGO

CITY ESCONDIDO

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER ESCONDIDO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 36,7921980 62,480

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Valley Center MWD and Vista Irrigation District

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			3/												
1971	10,249		188.0	189.5	332.4	234.7	418.5	567.7	689.0	733.1	561.5	286.7	215.0	127.7	4,543.8
1972	12,222		222.7	315.6	384.9	460.9	597.0	588.6	868.2	969.5	307.1	147.1	198.3	166.8	5,226.7
1973	13,937		177.0	145.8	179.5	396.6	535.4	714.1	674.6	679.1	576.7	659.8	262.9	160.2	5,161.7
1974	14,134		181.3	395.9	243.2	498.2	557.6	807.0	624.6	580.5	472.9	339.5	206.4	168.4	5,075.5
1975	14,484		295.6	163.2	137.8	120.7	435.2	508.5	668.1	689.0	574.7	489.2	299.7	159.4	4,541.1
1976	15,709		482.1	253.2	295.3	324.3	602.1	775.6	713.3	724.2	235.0	310.8	307.4	308.8	5,332.1
1977	16,179		119.0	152.8	302.2	412.6	316.4	531.1	659.7	511.1	512.3	445.8	301.6	186.4	4,451.0
1978	17,687		119.4	121.1	239.1	273.7	579.6	901.2	783.3	783.9	617.3	607.8	251.4	113.3	5,391.1
1979	18,665		221.2	191.7	254.1	487.1	606.5	951.4	859.0	830.7	890.7	528.7	348.2	407.6	6,576.9
1980	19,580		209.1	115.8	234.2	500.2	476.6	927.1	966.1	951.5	733.3	626.0	502.0	293.2	6,535.1

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) 1/														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcas 2/	
1970																	
1971	3.85	39,460	154	172	281	198	342	480	563	599	474	234	182	104	315	.353	
1972	3.91	47,790	150	228	260	321	403	411	586	654	214	99	138	113	299	.335	
1973	3.96	55,190	103	94	105	240	313	431	394	397	348	386	159	94	256	.287	
1974	4.01	56,680	103	249	138	293	317	475	355	330	278	193	121	96	245	.274	
1975	4.07	58,950	162	99	75	68	238	288	366	377	325	268	169	87	211	.236	
1976	4.12	64,720	240	135	147	167	300	399	356	361	121	155	158	154	225	.252	
1977	4.17	67,470	57	81	144	204	151	262	315	244	253	213	149	89	181	.203	
1978	4.22	74,640	52	58	103	122	250	402	339	339	276	263	112	49	198	.222	
1979	4.28	79,890	89	86	103	203	245	397	347	335	372	213	145	165	226	.253	
1980	4.33	84,780	80	47	89	197	181	365	368	362	288	238	197	112	211	.236	
AVERAGE	4.28	79,770	74	64	98	174	225	388	351	345	312	238	151	109	212	.237	

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcas - ACRE-FOOT PER CAPITA ANNUALLY

3/ DATA NOT AVAILABLE

4/ DATA FROM THE RINCON DEL DIABLO MUNICIPAL WATER DISTRICT INCLUDED.

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN DIEGO

CITY OCEANSIDE

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER OCEANSIDE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 40,494

1980 75,600

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY+ OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970		9,268	3/												3,748.3
1971		9,731	189.8	196.8	268.0	287.6	328.7	380.4	453.3	506.1	434.7	357.4	303.7	212.4	3,918.9
1972		11,065	212.9	262.4	309.3	362.7	415.9	402.0	488.2	522.1	413.3	417.4	235.8	226.2	4,268.2
1973		11,865	209.6	185.2	175.6	349.1	414.3	462.5	488.5	529.6	471.3	443.6	306.0	278.3	4,313.0
1974		13,015	223.4	294.2	257.4	408.1	490.1	549.2	619.5	614.5	525.2	433.0	348.5	296.8	5,059.9
1975		13,471	329.2	217.5	246.6	254.9	440.6	503.8	669.0	690.2	639.4	558.8	422.5	257.1	5,229.6
1976		14,265	379.1	254.5	336.4	368.9	500.5	586.6	621.6	679.3	443.1	529.5	455.0	441.6	5,596.1
1977		15,123	281.2	309.2	354.3	425.6	381.0	475.9	620.8	524.6	517.2	487.8	447.7	352.2	5,177.5
1978		16,220	236.2	214.9	253.4	301.8	593.8	648.9	705.4	737.6	609.9	626.9	354.5	312.2	5,595.5
1979		17,348	273.1	251.9	291.4	476.3	627.1	696.7	780.1	736.9	782.2	671.7	496.2	482.1	6,565.7
1980		19,025	318.6	272.1	306.9	453.9	520.3	728.3	861.4	886.5	764.3	669.7	658.6	466.5	6,907.1

YEAR OF RECDRD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	atpca 2/
1970		40,494													254	284
1971	4.30	41,824	146	168	207	229	254	303	350	390	346	276	242	164	257	288
1972	4.18	46,204	149	196	216	262	290	290	341	365	298	291	170	158	252	282
1973	4.23	50,207	135	132	113	232	266	307	314	340	313	285	203	179	235	263
1974	4.17	54,335	133	193	153	250	291	337	368	365	322	257	214	176	255	286
1975	4.13	55,675	191	140	143	153	255	302	388	400	383	324	253	149	257	288
1976	4.09	58,385	209	150	186	211	277	335	343	375	253	293	260	244	262	293
1977	4.05	61,256	148	180	187	232	201	259	327	276	281	257	244	185	232	260
1978	4.09	66,372	115	116	123	152	289	326	343	358	306	305	178	152	231	259
1979	4.12	71,445	123	126	132	222	283	325	352	333	365	303	232	218	252	282
1980	4.03	76,698	134	122	129	197	219	317	362	373	332	282	286	196	246	276
AVERAGE	4.08	71,505	124	121	128	190	264	323	352	355	334	297	232	189	243	272

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

3/ MONTHLY DATA NOT AVAILABLE

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN DIEGO

CITY CENSUS POPULATION

CITY SAN DIEGO1970 697,4711980 875,504HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER SAN DIEGOType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			2519.2	2571.8	2808.8	3438.1	4059.9	3900.1	4306.0	4428.3	4086.4	3676.4	3123.6	2400.3	41,316.9
1971			2736.2	2636.0	3348.4	3410.8	3444.4	3928.2	4541.3	4794.9	4243.6	3696.7	3219.4	2631.9	42,629.8
1972			2816.1	3117.5	3611.9	3970.0	4329.2	3879.2	5031.7	5028.3	3856.3	3566.6	2988.4	2907.8	45,101.0
1973			2742.3	2474.6	2699.0	3697.1	4239.9	4593.4	4866.7	4023.6	4398.7	4393.3	3356.0	3208.2	45,690.8
1974			2920.9	3273.0	3276.8	4185.8	4596.8	4977.7	5510.9	5137.4	4892.5	4340.7	3443.2	3312.6	50,068.3
1975			3434.2	2851.8	3090.5	3271.9	4497.0	4664.1	5367.4	5434.9	4909.1	4602.7	3977.9	3277.9	49,379.4
1976			4249.8	3224.1	3868.4	3860.5	4711.4	5429.9	5424.4	5687.7	4189.1	4651.4	4033.6	4235.3	53,565.6
1977			3382.4	3449.3	3774.7	4071.3	3938.5	4502.8	5263.6	4624.4	4662.1	4255.4	4042.0	3523.0	49,498.5
1978			2980.9	2723.5	3087.8	3429.4	5001.5	5601.4	5884.6	5741.0	4865.9	4735.2	3605.6	3417.5	51,074.3
1979			3192.8	2819.5	3338.3	4068.9	4869.5	5410.4	5895.5	5887.5	5841.0	4902.5	4183.7	4370.9	54,807.3
1980			3517.5	3163.1	3497.7	4161.0	4171.9	5680.6	4519.1	5880.3	6120.8	5323.3	4822.5	4103.5	54,961.3

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970		697,761	116	132	130	164	188	186	199	205	195	170	149	111	162	.182
1971		692,905	127	136	156	164	160	189	211	223	204	172	155	123	169	.189
1972		732,005	124	147	159	181	191	177	222	222	176	157	136	128	168	.188
1973		752,375	118	117	116	164	182	204	209	215	195	188	149	138	166	.186
1974		768,906	123	152	137	181	193	216	231	224	212	182	149	139	178	.199
1975		779,229	142	131	128	140	186	200	222	225	210	191	170	136	174	.195
1976		786,698	174	141	159	164	193	230	222	233	177	191	171	174	186	.208
1977		807,004	135	153	151	168	157	186	210	185	193	170	167	141	168	.188
1978		823,493	117	118	121	139	196	227	231	225	197	185	146	134	170	.190
1979		846,461	122	119	127	160	187	213	225	224	230	187	165	167	177	.198
1980		875,396	130	125	129	158	154	216	167	217	233	196	184	151	172	.193
AVERAGE 1970-1980		848,450	123	121	126	152	179	219	208	222	220	189	165	151	173	.194

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLYMETERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN DIEGO

CITY SOUTH BAY AREA

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER 3/

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 NA

1980 NA

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER Chula Vista, Imperial Beach, Coronado

National City, and Unincorporated San Diego Co.

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	45,766		587.4	603.8	630.5	791.7	964.9	993.9	962.6	981.6	1087.9	869.5	755.0	543.7	9,772.5
1971	47,453		635.1	610.4	818.3	815.1	842.9	1026.1	1144.3	1176.3	1086.3	911.9	725.8	620.2	10,412.7
1972	48,888		689.3	642.6	866.7	974.0	1031.4	1053.6	1211.2	1272.4	1003.9	769.2	830.0	681.5	11,025.8
1973	50,244		649.3	585.1	615.7	901.1	956.4	1201.9	1228.1	1258.2	1073.6	1059.3	746.0	704.5	10,979.2
1974	51,496		650.0	755.7	757.9	1021.5	1133.6	1326.6	1256.8	1297.7	1191.0	1074.9	808.6	785.7	12,060.0
1975	52,950		774.1	742.7	655.0	808.0	1143.4	1247.3	1398.0	1534.0	1279.1	960.8	1004.1	860.0	12,406.5
1976	55,697		881.6	797.7	749.4	873.1	999.6	1212.9	1237.0	1413.4	1283.7	1088.3	910.3	964.3	12,411.3
1977	58,057		810.3	799.3	888.3	972.0	838.3	1127.6	1187.5	1082.6	1199.5	937.6	864.3	823.8	11,531.1
1978	60,231		786.2	589.0	718.3	770.7	1017.9	1428.8	1601.6	1643.0	1442.4	1241.8	973.1	871.6	13,084.4
1979	61,865		776.1	650.3	760.6	803.8	978.8	1322.8	1334.5	1424.9	1444.5	1140.6	1059.4	1077.9	12,774.2
1980	62,892		889.5	845.9	812.5	879.7	993.1	1276.1	1368.0	1588.6	1485.9	1349.2	1209.0	1015.4	13,712.9

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	alpcd 2/
1970	4.53	207,320	91	104	98	127	150	160	150	153	175	135	121	85	129	.145
1971	4.34	205,946	99	106	128	132	132	166	179	184	176	143	117	97	139	.156
1972	4.28	209,241	106	106	134	155	159	168	187	196	160	119	132	105	144	.161
1973	4.25	213,537	98	98	93	141	144	188	186	190	168	160	116	106	141	.158
1974	4.37	225,037	93	120	109	151	162	197	180	186	176	154	120	113	147	.165
1975	4.39	232,451	107	114	91	116	159	179	194	213	183	133	144	119	146	.164
1976	4.38	243,953	117	113	99	119	132	166	164	187	175	144	124	128	139	.156
1977	4.40	255,451	102	112	112	127	106	147	150	137	157	118	113	104	124	.139
1978	4.34	261,403	97	80	89	98	126	182	198	203	184	153	124	108	137	.153
1979	4.33	267,875	93	87	92	100	118	165	161	172	180	137	132	130	131	.147
1980	4.34	272,951	105	107	96	107	117	156	162	194	176	159	148	120	137	.153
AVERAGE 1970-1980	4.34	267,410	98	91	92	102	120	168	174	190	180	150	135	119	135	.151

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ alpcd - ACRE-Feet PER CAPITA ANNUALLY

3/ CALIFORNIA-AMERICAN WATER COMPANY (CORONADO DIVISION),
SWEETWATER AUTHORITY, OTAY MUNICIPAL WATER DISTRICT.METERED ☒ FLAT RATE ☐ COMBINATION ☐EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN FRANCISCO

CITY SAN FRANCISCO

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER SAN FRANCISCO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION 715,674

1970 678,974

1980 678,974

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ X

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971			2,945	2,716	3,213	3,136	3,328	3,481	3,417	3,417	3,417	3,228	2,924	2,848	38,070
1972			2,886	2,696	3,262	3,114	3,380	3,880	3,483	3,483	3,221	2,921	2,734	2,809	37,869
1973			2,884	2,584	2,958	3,183	3,633	3,558	3,604	3,460	3,172	3,027	2,703	2,703	37,469
1974			2,703	2,487	2,775	2,811	3,316	3,280	3,508	3,583	3,247	3,284	2,724	2,724	36,442
1975			2,799	2,575	2,911	2,911	3,508	3,545	3,518	3,557	3,440	3,205	2,853	3,010	37,832
1976			2,971	2,775	3,088	3,166	3,753	3,753	3,300	3,101	2,949	2,890	2,946	3,012	37,704
1977			2,899	2,194	2,343	2,079	2,023	2,051	2,255	2,324	2,182	2,186	1,984	1,991	26,511
1978			2,086	2,006	2,373	2,194	2,562	2,635	2,581	2,650	2,588	2,532	2,329	2,345	28,881
1979			2,324	2,147	2,507	2,497	2,694	2,753	2,798	2,844	2,772	2,715	2,559	2,527	31,137
1980			2,599	2,412	2,666	2,924	2,728	2,588	2,819	2,673	2,598	2,770	2,523	2,598	31,898

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	sfpcd ^{2/}
1970																
1971		712,500	133	136	145	147	151	163	155	155	160	146	137	129	146	.164
1972		706,000	132	132	149	147	154	183	159	159	152	133	129	128	147	.165
1973		705,200	132	131	135	150	166	168	165	158	150	138	128	124	146	.164
1974		699,400	125	127	128	134	153	156	162	165	155	151	130	126	143	.160
1975		694,000	130	133	135	140	163	170	164	165	165	149	137	140	149	.167
1976		690,100	139	139	144	153	175	181	154	145	142	135	142	141	149	.167
1977		684,300	137	115	110	101	95	100	106	110	106	103	97	94	106	.119
1978		682,200	99	105	112	107	121	129	122	125	126	120	114	111	116	.130
1979		679,300	110	113	119	123	128	135	133	135	136	129	126	120	126	.141
1980		678,000	124	123	127	144	130	127	134	127	128	132	124	124	129	.144
AVERA GE 1970-1980		679,833	111	114	119	125	126	130	130	129	130	127	121	118	124	.139

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ sfpcd - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN JOAQUIN

CITY CENSUS POPULATION

1970 13,8451980 24,925CITY MANTECAHYDROLOGIC STUDY AREA SAN JOAQUIN

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☒ 1/ALL ACCOUNTS IN CITY+ OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER MANTECAType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	4,014	4,000	40.2	38.8	62.8	77.3	82.8	140.0	142.4	174.1	116.4	82.0	55.3	38.8	1,050.9
1972	4,159	4,144	42.5	44.6	74.3	101.0	151.5	163.2	156.4	169.4	126.4	73.2	60.0	46.1	1,208.6
1973	4,412	4,400	40.8	44.6	46.5	87.8	165.6	155.3	166.1	173.1	131.4	72.8	61.4	43.1	1,188.5
1974	4,562	4,550	43.9	50.8	56.4	88.4	102.0	166.1	187.3	163.2	114.9	105.1	56.4	45.6	1,180.1
1975	4,780	4,766	42.5	50.1	50.3	74.3	162.2	172.0	197.1	164.9	143.8	91.9	55.8	65.8	1,270.7
1976	5,029	4,999	66.5	60.2	85.1	116.3	150.9	216.2	196.4	143.9	162.1	110.3	81.2	69.8	1,458.9
1977	5,500	5,489	54.9	57.1	72.1	109.7	96.0	157.2	142.4	189.1	121.8	110.6	81.1	55.5	1,248.3
1978	5,731	5,720	59.6	55.0	62.3	74.7	149.9	218.2	234.1	223.3	155.4	126.8	76.6	69.3	1,505.2
1979	6,400	6,400	63.5	56.0	75.7	127.1	220.7	253.9	237.1	280.4	171.9	126.7	95.3	75.4	1,783.7
1980	6,996	6,996	85.2	58.5	82.2	155.2	188.2	216.7	278.3	247.5	225.3	171.7	114.4	91.2	1,924.4

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970																
1971	3.56	14,290	91	97	142	180	187	327	321	393	272	185	129	88	201	.225
1972	3.59	14,931	92	103	161	225	327	364	338	366	282	158	134	100	221	.248
1973	3.62	15,971	82	100	94	183	334	324	335	350	274	147	128	87	204	.228
1974	3.64	16,606	85	109	110	177	198	333	364	317	231	204	113	89	195	.218
1975	3.67	17,543	78	102	92	141	298	327	362	303	273	169	106	121	198	.222
1976	3.65	18,356	117	113	150	211	265	393	345	253	294	194	147	123	217	.243
1977	3.64	20,020	88	102	116	183	156	262	229	305	203	178	135	89	171	.192
1978	3.62	20,746	93	95	97	120	233	351	364	347	250	197	123	108	199	.223
1979	3.61	23,104	89	87	106	183	308	366	331	391	248	177	137	105	212	.237
1980	3.59	25,125	109	80	106	206	242	287	357	318	299	220	152	117	208	.233
AVERAGE 1978-1980	3.61	22,992	97	87	103	170	261	335	351	352	266	198	137	110	206	.231

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

3/ Prior to 1979, there were outside connections

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN JOAQUIN

CITY STOCKTON

HYDROLOGIC STUDY AREA SAN JOAQUIN

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 109,9631980 149,779

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☐PARTLY IN CITY ONLY ☒OTHER plus outside

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

Stockton Municipal Water Department

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	36,002		425	398	490	636	807	1,176	1,314	1,514	1,259	782	512	435	9,748
1972	36,225		447	443	690	801	1,134	1,215	1,478	1,516	1,111	631	482	462	10,410
1973	36,343		493	419	464	746	1,185	1,277	1,318	1,440	1,192	732	516	508	10,290
1974	36,495		517	493	583	673	1,124	1,226	1,326	1,575	1,355	851	505	502	10,730
1975	36,467		514	475	526	624	1,102	1,185	1,340	1,480	1,370	899	502	488	10,505
1976	36,624		538	496	661	761	1,148	1,222	1,256	1,279	1,142	766	562	539	10,370
1977	36,840		490	420	464	639	622	931	1,054	1,175	924	690	449	410	8,268
1978	37,050		394	373	434	430	901	859	1,011	1,044	738	603	508	452	7,747
1979	37,211		497	444	507	647	993	1,227	1,304	1,290	1,209	733	490	474	9,815
1980	37,480		464	433	507	608	842	981	1,088	1,113	925	703	513	426	8,603

YEAR OF RECORD	PERSONS PER CONNECTION SERVED	ESTIMATED AVERAGE POPULA- TION	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afcca 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	3.12	112,326	122	127	141	189	232	349	377	435	374	225	152	125	238	.267
1972	3.14	113,746	127	134	196	235	322	356	419	430	326	179	141	131	250	.280
1973	3.15	114,480	139	131	131	217	334	372	371	406	347	206	150	143	246	.276
1974	3.17	115,689	144	152	163	194	313	353	370	439	390	237	146	140	254	.284
1975	3.19	116,330	143	146	146	179	306	340	372	410	393	249	144	135	247	.277
1976	3.21	117,563	148	145	181	216	315	346	345	351	324	210	159	148	241	.270
1977	3.22	118,625	133	126	126	180	169	262	287	320	260	188	126	111	191	.214
1978	3.24	120,042	106	111	117	119	242	239	272	281	205	162	141	121	177	.198
1979	3.26	121,308	132	131	135	178	264	337	347	343	332	195	135	126	222	.249
1980	3.27	122,730	122	122	133	165	221	266	286	293	251	185	139	112	192	.215
AVERAGE 1976-1980	3.26	121,360	120	121	128	154	242	281	302	306	263	181	138	120	197	.221

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ afcca - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

11-77656

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN LUIS OBISPO

CITY ARROYO GRANDE

HYDROLOGIC STUDY AREA CENTRAL COAST

WATER SUPPLIER ARROYO GRANDE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 7,454

1980 11,290

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			18.0	18.0	20.9	39.6	36.6	34.9	38.9	50.9	47.9	31.4	22.4	17.2	376.7
1971			19.6	22.6	30.9	33.0	35.4	41.9	47.8	46.8	40.7	32.3	24.0	17.0	392.0
1972			22.3	23.4	36.7	37.0	43.2	46.4	49.4	48.3	41.0	27.0	21.1	21.1	416.9
1973			21.6	17.0	20.2	37.3	45.4	50.3	49.9	47.0	41.8	32.0	23.6	20.3	406.4
1974			19.4	23.9	24.2	34.0	44.8	48.2	52.6	50.6	37.5	35.2	26.4	23.8	420.6
1975			25.5	22.0	22.4	33.4	49.7	52.5	61.1	57.2	46.0	36.8	33.9	30.4	472.9
1976			44.4	26.6	37.2	41.0	58.8	67.5	65.5	49.7	46.6	39.2	38.0	38.2	552.7
1977			34.7	36.3	38.6	44.5	51.8	53.0	64.0	60.3	50.9	52.0	46.6	40.9	573.6
1978			29.2	27.7	32.4	34.6	60.2	65.3	73.8	67.7	58.5	48.7	42.3	39.0	579.4
1979			34.4	31.7	38.5	48.3	63.2	74.1	71.4	70.1	68.6	49.5	38.9	40.0	628.7
1980			35.5	33.4	42.3	55.6	65.2	73.1	74.1	73.6	60.9	58.3	56.6	44.7	673.3

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
1970		7,716	75	83	87	171	153	151	163	213	207	131	97	72	134	150
1971		7,789	81	104	128	141	147	179	198	194	174	134	103	70	138	155
1972		7,970	90	101	149	155	175	194	200	195	171	109	88	85	143	160
1973		8,298	84	73	79	150	176	202	194	183	168	124	95	79	134	150
1974		8,673	72	98	90	131	167	185	196	188	144	131	101	89	133	149
1975		9,331	88	84	77	119	172	188	211	198	164	134	121	105	139	156
1976		9,904	145	93	121	138	192	227	213	162	157	128	128	124	152	170
1977		10,103	111	128	123	147	165	175	204	193	168	166	154	131	156	175
1978		10,400	91	95	100	111	187	209	229	210	188	151	136	121	153	171
1979		10,981	101	103	113	147	186	225	210	206	208	145	118	118	157	176
1980		11,524	99	100	118	161	183	212	207	206	176	163	164	125	160	179
AVERAGE 1978-1980		10,968	100	99	110	140	185	215	215	207	191	153	139	121	157	176

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN LUIS OBISPO

CITY CENSUS POPULATION

1970 NA1980 15,930CITY ATASCADERO

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐HYDROLOGIC STUDY AREA CENTRAL COASTWATER SUPPLIER ATASCADERO MUTUAL WATER COMPANYType INCORPORATED MUTUAL WATER COMPANY

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	2,876		3/												
1971	2,784		28.2	30.0	38.7	48.3	70.7	99.3	118.7	120.7	92.8	63.8	38.2	30.8	780.2
1972	3,095		30.8	31.2	63.2	56.1	92.0	99.7	114.4	111.6	80.5	48.9	33.6	32.1	794.1
1973	3,301		31.1	27.0	31.2	56.3	97.3	116.8	121.0	119.0	86.0	60.6	37.3	31.1	814.7
1974	3,473		30.7	33.8	34.3	48.3	93.2	122.9	133.5	118.9	99.1	59.6	37.1	35.3	846.7
1975	3,711		37.5	32.4	35.9	43.4	95.3	115.8	138.2	130.7	113.0	63.8	47.8	49.3	903.1
1976	4,207		48.6	56.0	40.6	57.3	95.0	125.1	136.3	119.9	97.4	60.0	50.6	43.6	929.8
1977	4,626		42.3	40.6	42.1	54.2	61.5	83.6	101.0	111.8	99.9	77.8	60.2	46.0	821.0
1978	4,890		36.8	35.1	32.0	37.8	54.1	115.6	128.1	144.9	108.0	95.8	71.5	41.3	901.0
1979	5,117		41.2	39.9	37.0	46.4	88.9	128.0	147.6	155.3	137.4	102.7	60.1	47.7	1,032.2
1980	5,212		46.6	42.6	37.9	63.4	76.1	111.8	131.6	167.7	121.4	124.7	80.8	61.3	1,065.9

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970																
1971	3.63	10,102	90	106	124	159	226	328	379	385	306	204	126	98	212	.237
1972	3.57	11,040	90	97	185	160	269	301	334	326	243	143	101	94	197	.221
1973	3.50	11,554	87	83	87	162	272	337	338	332	248	169	108	87	193	.216
1974	3.43	11,909	83	101	93	135	252	344	362	322	277	161	104	96	195	.218
1975	3.38	12,540	96	92	92	115	245	308	356	336	300	164	127	127	197	.221
1976	3.32	13,955	112	138	94	137	220	299	315	277	233	139	119	101	182	.204
1977	3.25	15,053	91	96	90	120	132	185	216	240	221	167	133	99	149	.167
1978	3.12	15,270	78	82	68	83	114	252	271	306	236	202	156	87	162	.181
1979	3.03	15,490	86	92	77	100	185	275	307	323	296	214	129	99	183	.205
1980	3.06	15,930	94	92	77	133	154	234	266	340	254	253	169	124	183	.205
AVERAGE 1978-1980	3.07	15,563	86	89	74	105	151	254	281	323	262	223	151	103	176	.197

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

3/ 1970 DATA UNRELIABLE

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN LUIS OBISPO

CITY EL PASO DE ROBLES

HYDROLOGIC STUDY AREA CENTRAL COAST

WATER SUPPLIER EL PASO DE ROBLES

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 7,168

1980 9,163

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			30.1	20.5	39.2	61.6	80.9	94.0	117.0	111.7	95.0	64.9	38.7	31.9	785.5
1971	2,455	2,368	32.7	33.7	48.3	58.6	74.1	98.2	118.8	120.0	96.0	66.9	44.3	38.0	829.6
1972	2,537	2,450	30.9	36.0	64.0	68.6	91.8	103.1	117.4	113.9	84.2	48.5	35.6	34.8	828.8
1973	2,571	2,482	34.1	30.1	33.6	59.9	98.5	112.8	124.2	131.9	93.7	64.3	37.5	33.5	854.1
1974	2,664	2,575	30.6	42.1	42.9	56.4	105.2	127.3	135.9	132.6	114.7	74.0	43.1	36.7	941.5
1975	2,736	2,646	49.5	40.0	56.1	60.8	104.7	117.5	135.0	120.1	101.3	66.4	49.6	48.7	949.7
1976	2,781	2,732	59.3	47.2	61.7	76.5	113.8	131.4	135.8	108.1	86.4	59.6	49.6	43.0	972.4
1977	2,788	2,739	38.9	40.7	69.7	84.4	61.2	125.7	120.5	118.1	91.9	77.1	52.9	43.8	924.9
1978	3,003	2,903	38.0	31.8	38.6	35.9	119.0	123.5	115.1	61.7	73.6	47.6	37.0		810.4
1979	3,396	3,282	36.6	32.8	38.9	57.0	95.9	117.8	125.3	118.1	106.9	65.4	42.5	42.8	880.0
1980	3,670	3,547	38.8	38.0	43.0	67.3	89.6	117.0	121.4	127.4	103.1	92.0	64.8	50.9	953.3

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970		7,435	131	98	170	276	351	421	508	485	426	282	174	138	289	.324
1971	3.03	7,428	142	162	210	263	322	441	516	521	431	291	199	165	306	.343
1972	3.00	7,608	131	163	271	301	389	452	498	483	369	206	156	148	298	.334
1973	2.91	7,473	147	144	145	267	425	503	536	569	418	278	167	145	313	.351
1974	2.85	7,583	130	198	182	248	448	560	578	564	504	315	189	156	340	.381
1975	2.86	7,815	204	183	232	259	432	501	557	496	432	274	212	201	333	.373
1976	2.86	7,963	240	204	250	320	461	550	550	438	362	241	208	174	334	.374
1977	2.90	8,074	155	180	278	348	245	519	481	472	379	308	218	175	314	.352
1978	2.70	8,114	151	140	153	147	352	489	491	458	253	293	196	147	274	.307
1979	2.45	8,307	142	141	151	229	372	473	487	459	429	254	171	166	290	.325
1980	2.59	9,489	132	138	146	236	305	411	413	433	362	313	228	173	274	.307
AVERAGE 1970-1980	2.58	8,637	142	140	150	204	343	458	464	450	348	287	198	162	279	.312

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN LUIS OBISPO

CITY SAN LUIS OBISPO

HYDROLOGIC STUDY AREA CENTRAL COAST

WATER SUPPLIER SAN LUIS OBISPO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 28,036

1980 34,252

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☐ ☐

PARTLY IN CITY ONLY ☐ ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			101.2	97.7	120.4	151.7	182.8	168.1	194.9	186.7	177.7	156.5	108.0	93.4	1,739.1
1971	10,351	10,249	109.2	115.9	135.4	142.6	150.1	178.9	198.7	199.0	179.0	155.0	121.4	102.4	1,787.6
1972			115.2	114.1	161.8	161.4	189.9	190.1	207.1	205.7	170.8	135.0	116.2	113.1	1,880.4
1973			122.7	106.6	113.2	153.3	194.4	202.3	210.1	199.0	179.1	155.2	120.0	111.7	1,867.6
1974			111.7	119.0	118.8	141.5	184.6	203.9	210.1	207.4	190.5	167.5	131.6	121.7	1,908.3
1975	13,665	13,562	140.9	114.8	122.1	129.3	189.9	198.1	215.5	222.7	181.5	170.8	143.9	139.2	1,968.7
1976			169.9	128.3	145.3	158.6	210.8	227.6	246.8	200.2	170.8	176.2	157.2	159.6	2,151.3
1977			149.5	151.8	154.7	159.7	144.1	174.0	198.6	198.8	183.4	186.0	157.8	131.1	1,989.5
1978	14,251	14,149	123.4	117.5	127.3	121.5	185.4	192.7	202.8	217.5	175.7	196.7	145.5	131.4	1,937.4
1979			134.8	121.1	137.9	161.6	212.5	219.7	228.0	221.1	212.6	176.3	144.0	140.9	2,110.5
1980			129.1	129.6	143.9	179.5	199.7	225.5	220.2	217.2	209.2	213.1	182.7	148.2	2,197.9

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970		28,036	116	124	139	180	210	200	224	215	211	180	128	107	170	.190
1971	2.76	28,598	123	145	153	166	169	209	224	224	209	175	142	116	171	.192
1972		29,153	127	135	179	185	210	217	229	228	195	149	133	125	176	.197
1973		29,697	133	128	123	172	211	227	228	216	201	169	135	121	172	.193
1974		30,262	119	140	127	156	197	225	224	221	210	179	145	130	173	.194
1975	2.25	30,797	148	133	128	140	199	214	226	233	196	179	156	146	175	.196
1976		31,354	175	141	149	169	217	242	254	206	182	181	167	164	187	.209
1977		31,880	151	170	157	167	146	182	201	201	192	188	165	133	171	.192
1978	2.27	32,391	123	130	127	125	185	198	202	217	181	196	150	131	164	.184
1979		33,350	130	130	133	162	206	220	221	214	212	171	144	136	173	.194
1980		34,308	121	130	135	174	188	219	207	204	203	200	178	139	175	.196
AVERAGE 1978-1980		33,350	125	130	132	154	193	212	210	212	199	189	157	135	171	.192

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN MATEO

CITY CENSUS POPULATION

1970

1980

CITY ATHERTON, WOODSIDE, MENLO PARKHYDROLOGIC STUDY AREA SAN FRANCISCO BAY

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER CALIFORNIA WATER SERVICE (BEAR GULCH SYSTEM)Type COMMERCIAL WATER COMPANY

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	14,992		166.1	174.1	210.7	268.5	380.2	484.9	525.8	509.6	446.8	331.6	228.2	164.2	3,890.7
1972	15,077		169.4	163.5	297.7	317.1	465.4	495.4	558.3	502.6	392.1	215.3	157.4	165.1	3,899.3
1973	15,183		159.7	147.0	169.5	324.5	461.9	532.4	534.6	490.1	398.6	225.7	155.8	155.0	3,754.8
1974	15,383		161.1	156.2	182.0	238.9	431.2	484.5	508.2	506.8	414.7	311.9	176.2	171.8	3,743.5
1975	15,448		178.4	150.4	166.9	201.6	444.4	493.7	496.7	463.7	390.3	252.7	197.0	210.7	3,643.5
1976	15,522		234.7	193.6	256.2	305.8	491.0	535.4	544.0	399.8	392.5	296.5	220.5	223.4	4,093.4
1977	15,753		170.1	147.4	154.8	190.4	179.0	278.7	325.6	298.1	219.1	202.3	141.3	132.9	2,439.7
1978	15,879		134.6	106.7	137.4	144.6	343.1	399.6	435.4	416.2	343.6	308.2	192.9	165.5	3,127.8
1979	15,985		154.6	138.3	154.3	208.1	342.6	458.3	454.3	432.2	405.9	260.1	148.5	159.4	3,316.6
1980	16,084		146.3	148.1	174.8	243.3	352.9	420.1	444.9	434.5	370.4	322.8	241.3	171.7	3,471.1

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970																
1971	3.77	56,520	95	110	120	158	217	286	300	291	264	189	135	94	189	.212
1972	3.72	56,086	97	101	171	188	268	294	321	289	233	124	94	95	190	.213
1973	3.66	55,570	93	94	98	195	268	319	310	285	239	131	93	90	185	.207
1974	3.60	55,379	94	101	106	144	251	292	296	295	250	182	106	100	185	.207
1975	3.54	54,686	105	98	98	123	260	301	293	274	238	149	120	124	183	.205
1976	3.49	54,172	140	123	153	188	292	329	324	238	242	177	136	133	206	.231
1977	3.43	54,033	102	97	92	117	107	172	194	178	135	121	87	79	124	.139
1978	3.37	53,512	81	71	83	90	207	249	262	251	214	186	120	100	160	.179
1979	3.31	52,910	94	93	94	131	209	289	277	264	256	159	94	97	172	.193
1980	3.26	52,363	90	98	108	155	217	267	274	268	236	199	154	106	181	.203
AVERAGE 1978-1980	3.31	52,928	88	87	95	125	211	268	271	261	235	181	123	101	171	.192

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN MATEO

CITY BELMONT

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER BELMONT COUNTY WATER DISTRICT

Type COUNTY WATER DISTRICT

CITY CENSUS POPULATION

1970 23,5281980 24,505

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970		3/													
1971	6,102								149.2	146.0	113.9	100.3	80.4	74.7	
1972	6,192		80.0	81.0	101.4	115.4	142.1	144.5	156.4	131.6	104.5	83.9	75.4	78.1	1,294.3
1973	6,275		81.2	72.1	93.5	99.9	167.9	152.9	134.8	125.9	103.0	90.2	72.6	80.9	1,273.9
1974	6,406		74.4	73.2	79.3	108.2	140.5	121.5				NA			
1975	6,526					NA			118.8	125.0	120.5	83.8	75.7	88.5	
1976	6,642		88.3	89.2	90.1	120.8	147.0	140.3	135.9	122.7	99.7	93.9	90.6	86.6	1,305.1
1977	6,934		83.1	62.4	67.2	66.1	77.4	79.4	94.0	84.6	67.1	70.1	57.8	49.5	858.7
1978	7,018		71.4	61.9	63.6	85.2	117.8	111.4	134.4	112.1	119.0	91.5	70.4	77.2	1,115.9
1979	7,101		66.8	74.4	66.2	82.5	77.3	128.5	111.5	138.8	104.1	129.3	80.2	86.6	1,146.2
1980	7,143	7,097	63.7	78.9	67.4	86.5	86.6	136.0	96.2	142.2	104.2	137.7	86.6	97.8	1,183.8

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	sfpcd 2/
1970																
1971	3.88	23,676							203	199	160	137	113	102		
1972	3.84	23,777	109	117	138	162	193	203	212	179	147	114	106	106	149	.167
1973	3.79	23,782	110	108	127	140	228	214	183	171	144	122	100	110	147	.165
1974	3.75	24,023	100	109	106	150	189	169				NA				
1975	3.70	24,146				NA			159	167	166	112	105	118		
1976	3.66	24,310	117	127	120	166	195	192	180	163	137	125	124	115	147	.165
1977	3.61	25,032	107	89	87	88	100	106	121	109	89	90	77	64	94	.105
1978	3.56	24,984	92	88	82	114	152	149	174	145	159	118	94	100	122	.137
1979	3.52	24,996	86	106	85	110	100	171	144	179	139	167	107	112	126	.141
1980	3.47	24,786	83	110	88	116	113	183	125	185	140	179	116	127	130	.146
AVERAGE 1976-1980	3.52	24,922	87	101	85	113	122	168	148	170	146	155	106	113	126	.141

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ sfpcd - ACRE-FOOT PER CAPITA ANNUALLY

3/ Data not obtained for outside connections 1971 through 1979.

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN MATEO

CITY DALY CITY

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER DALY CITY

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 66,922

1980 78,519

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☒

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

DIMOND P.U.D.

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	17,063		175	170	185	196	225	241	240	227	245	219	190	176	2,489
1972	17,368		177	171	195	207	221	236	264	252	235	196	170	179	2,503
1973	17,753		179	162	182	214	260	269	266	243	220	202	177	181	2,555
1974	18,139		180	171	194	206	237	257	255	256	245	243	196	199	2,639
1975	18,441		201	179	205	209	269	270	261	264	246	227	203	214	2,748
1976	18,659		220	201	219	228	284	289	266	248	244	239	223	228	2,889
1977	12,850		212	165	171	156	156	163	170	171	162	160	145	145	1,976
1978	18,955		103	144	162	164	204	218	224	218	214	196	176	2,237	
1979	19,062		180	165	182	191	223	242	245	234	236	209	181	192	2,480
1980	19,188		184	172	196	207	223	246	245	236	224	225	197	195	2,550

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970																
1971	3.86	65,863	86	92	91	99	110	122	118	111	124	107	96	86	104	.116
1972	3.87	67,214	85	88	94	103	106	117	127	121	117	94	84	86	102	.114
1973	3.87	68,704	84	84	85	104	122	131	125	114	107	95	86	85	102	.114
1974	3.88	70,379	83	87	89	98	109	122	117	117	116	111	93	91	103	.115
1975	3.89	71,735	90	89	92	97	121	125	117	119	114	102	94	96	105	.118
1976	3.90	72,770	98	95	97	104	126	132	118	110	112	106	102	101	108	.121
1977	3.91	73,704	93	80	75	71	68	74	74	75	73	70	66	63	73	.082
1978	3.92	74,304	45	69	70	74	89	98	97	95	96	93	88	76	82	.092
1979	3.93	74,914	78	79	78	85	96	108	105	101	105	90	81	83	91	.102
1980	3.94	75,601	79	78	84	91	95	108	105	101	99	96	87	83	92	.103
AVERAGE 1978-1980	3.93	74,940	67	73	77	83	93	105	102	99	100	93	85	81	88	.099

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN MATEO

CITY CENSUS POPULATION

CITY HALFMOON BAY, MIRAMAR, PRINCETON, EL GRANADA

1970

1980

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER COASTSIDE COUNTY WATER DISTRICTType COUNTY WATER DISTRICT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	2,593							NA							
1972	2,752		19.2	29.6	15.6	22.9	35.1	39.3	47.0	45.4	45.9	48.6	42.5	32.1	423.2
1973	2,816		19.3	23.3	30.1	22.7	23.2	49.7	59.0	61.1	60.6	36.7	44.9	24.8	455.4
1974	2,888		33.6	24.6	34.3	28.9	38.0	46.7	47.5	41.6	42.4	41.3	37.2	28.7	444.8
1975	3,057		36.9	31.6	39.3	31.5	38.1	42.6	44.4	49.1	53.4	44.8	39.0	31.9	482.6
1976	3,334		40.4	28.1	38.4	27.7	48.1	34.1	50.5	32.6	44.7	29.8	39.4	27.8	441.6
1977	3,440		36.1	25.1	29.2	19.6	28.9	20.6	32.6	24.9	35.5	21.7	29.8	18.3	322.3
1978	3,466		25.5	19.3	28.8	21.0	31.7	34.0	45.6	33.4	48.9	33.5	40.6	24.1	386.4
1979	3,546		33.5	31.0	32.2	30.2	39.3	36.7	59.0	52.2	59.1	54.4	35.9	25.8	489.3
1980	3,638		34.7	47.0	35.8	24.1	29.9	46.5	49.6	52.0	50.5	48.0	42.8	33.2	494.1

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	3.50	9,076						NA								
1972	3.50	9,632	64	106	52	79	118	136	157	152	159	163	147	108	120	.134
1973	3.51	9,884	63	84	98	77	76	168	193	199	204	120	151	81	126	.141
1974	3.51	10,137	107	87	109	95	121	154	151	132	139	131	122	91	120	.134
1975	3.51	10,730	111	105	118	98	115	132	133	148	166	135	121	96	123	.138
1976	3.51	11,702	111	83	106	79	133	97	139	90	127	82	112	77	103	.115
1977	3.51	12,074	96	74	78	54	77	57	87	67	98	58	82	49	73	.082
1978	3.52	12,200	67	56	76	57	84	93	121	88	134	89	111	64	87	.097
1979	3.52	12,482	87	89	83	81	102	98	152	135	158	141	96	67	107	.120
1980	3.52	12,805	87	127	90	63	75	121	125	131	131	121	111	84	105	.118
AVERAGE 1979-1980	3.52	12,496	80	91	83	67	87	104	133	118	141	117	106	72	100	.112

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-FOOT PER CAPITA ANNUALLYMETERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN MATEO

CITY CENSUS POPULATION

1970 8,7531980 10,451CITY HILLSBOROUGH

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐HYDROLOGIC STUDY AREA SAN FRANCISCO BAYWATER SUPPLIER HILLSBOROUGHType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	2,999	2,896	35.2	51.9	55.6	68.2	98.2	142.4	151.5	154.3	115.8	86.4	39.7	38.0	1,037.2
1972	3,050	2,946	37.6	45.6	73.1	96.0	138.2	150.3	157.8	149.4	93.4	41.5	34.8	38.2	1,055.9
1973	3,114	3,010	34.6	36.0	51.5	105.5	145.0	160.4	159.5	133.3	87.5	57.9	35.7	35.9	1,042.8
1974	3,185	3,081	36.7	31.8	39.0	67.8	142.6	125.8	155.7	138.9	108.4	78.6	38.4	37.5	1,001.2
1975	3,247	3,143	48.2	36.5	39.6	67.8	144.6	147.8	164.7	141.4	115.3	54.6	49.2	51.1	1,060.8
1976	3,347	3,243	62.6	48.7	53.6	112.9	129.0	163.8	145.2	129.1	95.9	90.8	61.4	52.8	1,145.8
1977	3,551	3,447	46.9	42.2	43.7	53.6	61.5	92.6	106.1	101.8	64.0	50.4	39.4	27.3	729.5
1978	3,688	3,584	27.4	29.0	36.4	49.7	128.6	130.2	156.8	127.2	116.8	91.9	41.5	39.3	974.8
1979	3,807	3,703	34.9	40.3	43.2	65.5	146.4	145.7	163.2	154.7	136.3	51.3	45.3	42.2	1,069.0
1980	3,880	3,776	48.9	36.1	68.1	91.9	126.5	151.7	165.5	145.7	141.0	98.6	68.5	56.5	1,199.0

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970																
1971	3.03	9,087	125	204	197	250	349	522	538	548	425	307	146	135	313	.351
1972	3.01	9,180	132	171	257	349	486	546	555	525	339	146	126	134	314	.352
1973	2.98	9,280	120	139	179	379	504	576	554	463	314	201	128	125	308	.345
1974	2.96	9,428	126	120	133	240	488	445	533	475	383	269	136	128	291	.326
1975	2.93	9,514	163	137	134	238	490	510	558	479	404	185	172	173	305	.342
1976	2.90	9,706	208	173	178	388	429	563	403	429	329	302	211	175	323	.362
1977	2.88	10,227	148	147	138	175	194	302	335	321	209	159	128	86	195	.218
1978	2.85	10,511	84	99	112	150	395	413	481	390	370	282	132	121	254	.284
1979	2.83	10,774	104	134	129	203	438	451	489	463	422	154	140	126	272	.305
1980	2.80	10,864	145	115	202	282	376	465	491	433	433	293	210	168	302	.338
AVERAGE 1970-1980	2.83	10,716	111	116	148	214	403	443	487	429	408	243	161	138	276	.309

1/ gpcd - GALLONS PER CAPITA PER DAY
 2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐
 EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
 AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN MATEO

CITY CENSUS POPULATION

1970 36,0201980 36,866CITY PACIFICA

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☒ 2/ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐HYDROLOGIC STUDY AREA SAN FRANCISCO BAYWATER SUPPLIER NORTH COAST COUNTY WATER DISTRICTType COUNTY WATER DISTRICT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	9,756		88.0	78.9	103.1	97.2	113.0	123.2	122.5	126.1	124.1	115.7	97.2	83.7	1,272.7
1972	10,155		92.2	84.9	99.9	105.3	122.6	120.6	135.9	134.2	125.7	96.4	88.9	89.7	1,305.3
1973	10,434		88.6	80.4	91.7	112.0	137.6	146.1	145.0	135.9	121.1	101.9	88.2	89.1	1,337.6
1974	10,529		87.9	81.4	88.4	111.3	135.6	126.7	131.8	138.0	131.1	114.4	78.9	100.1	1,325.6
1975	10,544		101.4	90.2	101.2	99.5	142.5	149.0	146.7	135.6	115.5	114.6	101.5	103.2	1,400.9
1976	10,565		108.8	97.1	109.1	110.9	140.2	155.4	139.7	127.2	123.4	124.2	108.1	106.7	1,450.8
1977	10,631		94.5	68.9	70.7	67.9	66.6	68.7	79.2	76.9	70.9	71.3	63.5	63.3	862.4
1978	10,657		65.9	60.0	69.7	70.0	98.2	104.6	108.6	106.3	101.5	94.2	78.7	77.4	1,035.1
1979	10,722		74.2	67.7	75.7	78.7	99.2	114.8	113.4	111.1	108.7	90.6	76.5	78.0	1,088.6
1980	10,774		73.3	73.5	80.2	84.5	109.2	115.6	120.4	116.5	101.7	100.6	92.7	84.2	1,152.4

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afcca ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	3.74	36,487	78	77	91	89	100	113	108	111	113	102	89	74	96	.108
1972	3.70	37,574	79	78	86	93	105	115	117	115	112	83	79	77	95	.106
1973	3.66	38,188	75	75	77	98	116	128	122	115	106	86	77	75	96	.108
1974	3.61	38,010	75	76	75	98	115	111	112	117	115	97	69	85	96	.108
1975	3.57	37,642	87	86	87	88	122	132	126	116	102	98	90	88	102	.114
1976	3.53	37,311	94	90	94	99	121	139	121	110	110	107	97	92	106	.119
1977	3.51	37,315	82	66	61	61	58	61	68	66	63	62	57	55	63	.071
1978	3.48	37,086	57	58	61	63	85	94	94	92	91	82	71	67	76	.085
1979	3.46	37,098	65	65	66	71	86	103	99	97	98	79	69	68	80	.090
1980	3.43	37,000	64	68	70	76	95	104	105	102	92	88	84	73	85	.095
AVERAGE 1978-1980	3.46	37,061	62	64	66	70	89	100	99	97	94	83	75	69	80	.090

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afcca - ACRE-FOOT PER CAPITA ANNUALLY^{3/} One outside service* METERED ☒FLAT RATE ☐COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN MATEO

CITY REDWOOD CITY

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER REDWOOD CITY

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 55,686

1980 54,965

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	16,949	15,551	211	207	205	241	261	342	367	389	372	288	277	204	3,364
1972	16,803	15,303	195	214	217	260	387	368	351	410	351	279	218	192	3,442
1973	16,815	15,297	210	203	193	244	304	302	399	397	346	288	240	189	3,315
1974	16,830	15,410	208	196	196	221	282	372	335	413	374	294	245	207	3,343
1975	17,252	15,637	209	205	195	216	250	361	376	373	336	299	232	202	3,254
1976	17,340	15,710	238	225	231	254	303	382	385	383	234	285	270	229	3,419
1977	17,763	16,100	210	210	163	165	164	187	204	236	207	162	239	215	2,362
1978	17,446	15,842	147	160	150	160	207	258	266	291	254	249	222	193	2,557
1979	18,153	16,374	205	201	191	219	231	243	298	345	349	340	320	219	3,161
1980	18,316	16,681	218	219	239	243	285	331	361	387	364	349	320	223	3,539

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) ^{1/}														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	OEC	gpcd ^{1/}	afpcac ^{2/}	
1970																	
1971	3.59	60,847	112	121	109	132	138	187	195	206	204	153	152	108	151	.169	
1972	3.56	59,819	105	123	117	145	209	205	189	221	196	150	121	104	157	.176	
1973	3.53	59,357	114	122	105	137	165	170	217	216	194	157	135	103	153	.171	
1974	3.50	58,905	114	119	107	125	154	211	183	226	212	161	139	113	155	.174	
1975	3.47	59,864	113	122	105	120	135	201	203	201	187	161	129	109	149	.167	
1976	3.44	59,650	129	130	125	142	164	213	208	207	131	154	151	124	157	.176	
1977	3.41	60,572	112	124	87	91	87	103	109	126	114	86	132	114	107	.120	
1978	3.38	58,967	80	97	82	90	113	146	146	159	144	136	125	106	119	.133	
1979	3.35	60,813	109	118	101	120	123	133	158	183	191	180	175	116	142	.159	
1980	3.32	60,809	116	124	127	133	151	181	192	205	200	185	175	118	159	.178	
AVERAGE 1978-1980	3.35	60,196	102	113	103	114	129	153	165	182	178	167	158	113	140	.157	

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcac - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN MATEO

CITY SAN BRUNO

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER SAN BRUNO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 36,254

1980 35,417

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS * $\frac{1}{4}$		TOTAL WATER INTO SYSTEM (million gallons) $\frac{2}{3}$												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971				214.2		248.8		265.4		366.5		355.8		222.8	1673.5
1972				193.1		246.3		319.0		360.5		319.8		205.6	1644.3
1973				188.0		233.0		318.9		398.8		310.8		230.6	1680.1
1974				215.3		226.2		299.4		365.9		335.4		259.3	1701.5
1975				218.2		239.8		368.8		352.5		280.1		229.8	1689.2
1976				232.7		256.3		377.6		377.0		292.5		270.6	1806.7
1977				224.0		179.8		184.9		200.2		185.3		167.2	1141.4
1978				181.3		175.6		239.6		307.9		294.9		213.3	1412.6
1979				209.3		217.5		311.1		351.4		341.4		211.8	1642.5
1980				194.1		208.6		283.8		356.6		342.3		281.5	1666.9

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970																
1971		36,190		100		113		120		163		161		101	127	.142
1972		36,120		89		112		145		161		145		93	124	.139
1973		36,060		88		106		145		178		141		105	128	.143
1974		35,990		101		103		136		164		153		118	130	.146
1975		35,930		103		109		168		158		128		105	129	.144
1976		35,860		108		117		173		170		134		124	138	.155
1977		35,800		106		82		85		90		85		77	87	.097
1978		35,730		86		81		110		139		135		98	108	.121
1979		35,660		99		100		143		159		157		97	126	.141
1980		35,600		91		96		131		162		158		130	128	.143
AVERAGE 1970-1980		35,663		92		92		128		153		150		108	121	.136

$\frac{1}{2}$ gpcd - GALLONS PER CAPITA PER DAY

$\frac{2}{3}$ afpcd - ACRE-Feet PER CAPITA ANNUALLY

$\frac{3}{4}$ Records are kept bimonthly.

$\frac{4}{5}$ Count was not consistent for all years; population obtained by assuming constant change downward between census years.

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN MATEO

CITY SAN CARLOS

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION 26,053

1970 24,710

1980

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	OEC	
1970															
1971	8,337		92.6	92.3	106.4	115.0	140.4	165.8	171.6	170.5	157.6	132.7	105.8	90.3	1541.0
1972	8,453		93.4	89.6	122.7	125.8	161.2	166.5	178.9	172.3	141.2	106.5	91.8	93.3	1543.2
1973	8,515		95.0	87.6	96.2	137.1	165.3	180.7	180.9	162.8	146.2	114.1	90.4	87.1	1543.4
1974	8,615		90.5	82.7	95.0	104.2	152.6	165.4	169.5	172.6	154.5	130.1	93.4	94.0	1504.5
1975	8,668		97.8	82.6	93.3	98.1	155.6	165.0	168.0	169.7	150.5	113.7	98.7	104.2	1497.2
1976	8,720		111.2	98.2	118.7	124.8	166.6	176.1	173.5	148.0	144.8	130.8	109.5	110.6	1612.8
1977	8,865		96.7	77.4	79.6	82.5	77.8	95.7	107.4	102.0	80.8	80.0	68.9	66.2	1015.0
1978	8,883		71.5	64.2	78.3	77.9	126.2	136.0	144.5	141.1	125.2	120.5	89.4	83.6	1258.4
1979	8,969		81.2	73.0	85.7	94.1	129.9	148.0	149.0	145.8	138.1	107.0	80.4	86.6	1318.8
1980	9,169		84.7	87.0	95.2	109.7	132.9	149.2	155.6	154.1	137.5	128.2	106.9	91.4	1432.4

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	3.44	28,679	104	115	120	134	158	193	193	192	183	149	123	102	147	.165
1972	3.36	28,402	106	109	139	148	183	195	203	196	166	121	108	106	148	.166
1973	3.29	28,014	109	112	111	163	190	215	208	187	174	131	108	100	151	.169
1974	3.22	27,740	105	106	110	125	177	199	197	201	186	151	112	109	149	.167
1975	3.14	27,218	116	108	111	120	184	202	199	201	184	135	121	123	151	.169
1976	3.07	26,770	134	126	143	155	201	219	209	178	180	158	136	133	165	.185
1977	3.00	26,595	117	104	97	103	94	120	130	124	101	97	86	80	105	.118
1978	2.92	25,938	89	88	97	100	157	175	180	175	161	150	115	104	133	.149
1979	2.85	25,562	102	102	108	123	164	193	188	184	180	135	105	109	141	.158
1980	2.78	25,461	107	118	121	144	168	195	197	195	180	162	140	116	154	.172
AVERAGE 1978-1980	2.85	25,654	99	103	109	122	163	188	188	185	174	149	120	110	143	.160

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN MATEO

CITY SAN MATEO

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 78,991

1980 77,561

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	22,558		271.7	256.3	290.1	323.6	417.6	470.8	504.0	494.8	431.2	380.2	298.9	258.3	4,397.5
1972	22,694		266.0	246.7	343.7	365.0	467.7	472.1	512.2	494.2	399.0	287.1	245.0	253.2	4,351.9
1973	22,837		250.8	228.8	257.6	375.6	465.4	505.1	509.1	474.3	413.3	312.5	250.1	261.5	4,304.1
1974	23,049		248.8	239.5	284.5	311.6	473.8	475.6	487.6	477.9	418.9	357.0	258.5	269.2	4,302.9
1975	23,187		263.3	236.6	265.5	282.7	461.1	483.3	499.4	485.0	436.3	330.7	294.0	299.0	4,336.9
1976	23,339		321.0	274.7	329.1	361.2	494.2	521.4	519.0	432.8	419.0	371.5	302.3	303.6	4,649.8
1977	23,489		270.0	216.1	233.7	248.2	235.8	288.2	320.0	307.8	266.0	257.0	204.8	198.3	3,045.9
1978	23,870		207.0	188.1	222.1	220.6	362.7	410.1	429.6	426.1	392.6	375.8	292.5	260.6	3,787.8
1979	23,992		243.4	215.5	249.1	285.5	398.6	460.9	466.7	448.6	437.8	333.6	266.0	274.3	4,080.0
1980	24,007		266.8	255.5	290.8	330.1	406.0	464.0	456.4	460.8	457.6	419.5	351.8	311.7	4,471.0

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	atpcd ^{2/}
1970																
1971	3.74	84,367	104	108	111	128	160	186	193	189	170	145	118	99	143	.160
1972	3.70	83,968	102	101	132	145	180	187	197	190	158	110	97	97	142	.159
1973	3.66	83,583	97	98	99	150	180	201	196	183	165	121	100	101	141	.158
1974	3.62	83,437	96	103	110	124	183	190	189	185	167	138	103	104	141	.158
1975	3.59	83,241	102	102	103	113	179	194	194	188	175	128	118	116	143	.160
1976	3.55	82,853	125	114	128	145	192	210	202	169	169	145	122	118	153	.171
1977	3.51	82,446	106	94	91	100	92	117	125	120	108	101	83	78	101	.113
1978	3.47	82,829	81	81	86	89	141	165	167	166	158	146	118	101	125	.140
1979	3.44	82,532	95	93	97	115	156	186	182	175	177	130	107	107	135	.151
1980	3.40	81,584	105	108	115	135	161	190	180	182	187	166	144	123	150	.168
AVERAGE	3.44	82,315	94	94	99	113	153	180	176	174	174	147	123	110	137	.153

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ apca - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SAN MATEO

CITY SOUTH SAN FRANCISCO, BROADMOOR, AND COLMA^{2/}

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION: So. S.F. and Colma

1970 47,1831980 49,788

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ALL ACCOUNTS IN CITY+ OUTSIDE ☐PARTLY IN CITY ONLY ☒OTHER ☐OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
Westborough Co. Water District

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	13,268		210.1	195.4	233.1	240.1	273.9	300.8	286.6	300.7	307.9	274.2	215.8	203.7	3,042.3
1972	13,302		211.2	189.7	235.7	254.1	300.9	307.1	306.2	318.2	281.4	232.6	194.4	195.8	3,027.3
1973	13,379		210.4	187.6	214.3	261.7	312.6	322.3	311.4	295.1	266.4	233.3	194.4	188.3	2,997.8
1974	13,463		194.3	178.5	201.9	217.3	293.4	295.7	295.4	292.0	280.1	272.7	206.5	197.6	2,925.4
1975	13,448		210.8	188.9	215.6	217.4	298.4	301.8	275.8	286.8	271.4	233.6	201.7	214.1	2,916.3
1976	13,457		219.8	191.2	225.3	244.9	297.2	304.6	281.1	261.5	256.2	248.3	213.0	214.0	2,957.1
1977	13,485		200.2	163.7	173.9	166.8	165.0	181.4	183.7	189.5	175.6	168.4	148.6	141.9	2,058.7
1978	13,613		146.2	135.0	161.9	160.0	225.9	242.4	230.2	246.2	240.7	224.7	185.4	172.4	2,371.0
1979	13,726		172.4	159.2	176.7	191.6	237.7	259.9	249.9	269.7	258.1	219.8	182.3	182.7	2,560.0
1980	13,887		187.0	180.0	206.1	227.0	253.9	267.1	256.1	261.9	239.2	238.7	200.3	190.6	2,707.9

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	apoc ^{2/}
1970																
1971	3.70	49,092	138	142	153	163	180	204	188	198	209	180	147	134	170	.190
1972	3.67	48,818	140	134	156	174	199	210	202	210	192	154	133	129	169	.189
1973	3.65	48,833	139	137	142	179	206	220	206	195	182	154	133	124	168	.188
1974	3.63	48,871	128	130	133	148	194	202	195	193	191	180	141	130	164	.184
1975	3.60	48,413	140	139	144	150	199	208	184	191	187	156	139	143	165	.185
1976	3.58	48,176	147	137	151	169	199	211	188	175	177	166	147	143	168	.188
1977	3.56	48,007	135	122	117	116	111	126	123	127	122	113	103	95	117	.131
1978	3.53	48,054	98	100	109	111	152	168	155	165	167	151	129	116	135	.151
1979	3.51	48,178	115	118	118	133	159	180	167	181	179	147	126	122	146	.164
1980	3.49	48,433	125	128	137	156	169	184	171	174	165	159	138	127	153	.171
AVERAGE 1978-1980	3.51	48,222	113	115	121	133	160	177	164	173	170	152	131	122	145	.162

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} apca - ACRE-Feet PER CAPITA ANNUALLY^{3/} Broadmoor system was combined with South San Francisco system in 1980. Data for both systems were integrated back to 1971.METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA BARBARA

CITY CARPINTERIA

HYDROLOGIC STUDY AREA CENTRAL COAST

WATER SUPPLIER CARPINTERIA COUNTY WATER DISTRICT

Type COUNTY WATER DISTRICT

CITY CENSUS POPULATION

1970 6,982

1980 10,850

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons) ^{3/}												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			4/												
1971				59.2		62.9		78.4		105.8		96.0		69.6	471.9
1972				59.7		77.2		102.2		119.2		103.9		68.7	530.9
1973				61.6		71.0		102.1		129.8		105.0		78.4	547.9
1974				66.8		72.3		111.9		131.6		111.5		84.7	578.8
1975				77.3		72.7		104.8		136.0		121.5		100.7	613.0
1976				101.8		96.6		144.7		157.3		106.4		90.3	697.1
1977				83.4		85.9		100.2		120.0		117.7		95.2	602.4
1978			38.4	38.4	36.2	36.3	57.8	57.8	72.9	73.0	59.7	59.8	44.9	45.0	620.2
1979			36.4	36.3	40.3	40.3	70.0	70.0	69.6	69.6	64.7	64.8	48.1	48.2	658.3
1980			40.3	40.3	47.4	47.5	63.4	63.4	81.3	81.4	62.6	62.7	53.8	53.9	698.0

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971		9,175		109		112		140		185		172		124	141	.158
1972		9,230		108		137		182		208		185		122	157	.176
1973		9,465		110		123		177		221		182		136	159	.178
1974		10,725		106		111		171		198		170		129	148	.166
1975		11,575		113		103		148		190		172		143	145	.162
1976		12,100		140		131		196		210		144		122	157	.176
1977		12,375		114		114		133		156		156		126	133	.149
1978		13,250	93	104	88	91	141	145	177	178	150	146	113	110	128	.143
1979		13,300	88	97	98	101	170	175	169	169	162	157	121	117	136	.152
1980		13,825	94	101	111	115	148	153	190	190	151	146	130	126	138	.155
AVERAGE 1978-1980		13,458	92	101	99	102	153	158	179	179	154	150	121	118	134	.150

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY^{3/} BI-MONTHLY BILLING OPERATION BY THE CITY OF CARPINTERIA^{4/} DATA NOT AVAILABLEMETERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA BARBARA

CITY CENSUS POPULATION

CITY GOLETA (UNINCORPORATED)1970 NA1980 NAHYDROLOGIC STUDY AREA CENTRAL COAST

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER Unincorporated Area West of the City of Santa Barbara Known as GoletaWATER SUPPLIER COLETAType COUNTY WATER DISTRICT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971			207.9	220.4	273.8	366.0	439.5	321.7	532.9	437.1	392.3	248.2	301.5	140.8	3,882.1
1972			171.6	204.2	382.8	366.8	442.5	392.1	493.7	390.0	387.9	197.5	137.3	74.5	3,640.9
1973			213.6	132.1	183.7	321.2	397.8	345.7	406.5	353.5	319.6	267.3	202.2	178.3	3,321.5
1974			190.6	237.0	225.1	308.3	422.3	415.9	421.3	332.5	383.0	283.8	233.3	164.3	3,567.4
1975			231.4	180.9	206.6	282.4	380.5	378.3	444.5	387.6	420.2	317.6	283.7	313.1	3,826.8
1976			366.6	254.8	283.4	308.1	469.0	452.2	451.5	452.4	220.4	260.4	309.3	351.3	4,179.4
1977			178.4	250.5	306.0	332.1	287.1	366.7	434.1	340.7	316.8	329.0	306.5	226.6	3,674.5
1978			187.2	175.5	177.1	186.2	241.3	320.5	361.4	345.5	320.6	303.3	261.2	218.1	3,097.9
1979			195.6	192.7	197.2	224.8	275.7	325.1	371.4	367.6	343.9	310.5	267.8	235.9	3,308.2
1980			212.0	211.7	218.0	254.7	298.3	341.9	370.8	359.6	332.7	310.3	285.9	263.7	3,459.6

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970																
1971		66,429	101	118	133	184	213	161	259	212	197	121	151	68	160	.179
1972		68,450	81	103	180	179	209	191	233	184	189	93	67	35	145	.162
1973		70,490	98	67	84	152	182	163	186	162	151	122	96	82	129	.144
1974		72,561	85	117	100	142	188	191	187	148	153	126	107	73	135	.151
1975		74,583	100	87	89	126	165	169	192	168	188	137	127	135	141	.158
1976		74,353	159	118	123	138	203	203	196	196	99	113	139	152	154	.172
1977		74,265	77	120	133	149	125	165	189	148	142	143	138	98	136	.152
1978		74,283	81	84	77	84	105	144	157	150	144	132	117	95	114	.128
1979		74,089	85	93	86	101	120	146	162	160	155	135	120	103	122	.137
1980		73,994	92	102	95	115	130	154	162	157	150	135	129	115	128	.143
AVERAGE 1978-1980		74,122	86	93	86	100	118	148	160	156	150	134	122	104	121	.136

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLYMETERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA BARBARA

CITY LOMPOC

HYDROLOGIC STUDY AREA CENTRAL COAST

WATER SUPPLIER LOMPOC

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 25,2841980 26,267

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			65.5	64.9	79.0	104.6	131.6	118.7	139.1	130.3	123.4	100.3	72.0	63.8	1,193.2
1971	5,981	5,953	66.4	65.8	87.1	98.1	105.8	118.1	138.9	138.6	124.7	106.6	81.3	69.7	1,201.1
1972	5,981	5,965	69.2	74.9	99.0	110.3	129.5	135.4	145.9	131.5	114.9	88.9	65.4	64.2	1,229.1
1973	6,004	5,976	62.2	52.6	63.2	90.9	115.0	127.5	126.3	122.6	97.1	92.2	70.3	64.0	1,083.9
1974	6,018	5,990	62.3	65.8	65.3	77.9	112.3	120.8	127.5	115.2	117.7	95.6	74.4	71.4	1,106.2
1975	6,043	6,015	69.3	61.5	68.3	74.2	111.7	115.5	119.1	117.9	100.0	88.8	77.5	71.7	1,075.5
1976	6,097	6,068	84.2	63.4	76.8	79.2	108.3	121.3	118.2	107.7	84.9	78.8	76.3	81.3	1,080.4
1977	6,269	6,240	67.6	71.3	77.5	91.3	80.7	101.2	119.2	113.4	101.2	93.4	82.7	75.4	1,074.9
1978	6,442	6,380	63.6	59.1	65.8	65.2	105.9	109.2	109.5	115.6	92.0	100.4	79.6	68.2	1,034.1
1979	6,700	6,634	66.7	62.6	71.3	85.0	117.3	122.0	128.5	125.6	120.7	101.0	77.6	86.1	1,164.4
1980	6,844	6,782	75.0	70.0	73.3	98.2	109.7	132.3	135.5	133.4	121.2	106.0	93.1	82.4	1,230.1

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	atpca 2/
1970		23,923	88	97	107	146	177	165	188	176	172	135	100	86	137	.153
1971	3.97	23,723	90	99	118	138	144	166	189	188	175	145	114	95	139	.156
1972	3.95	23,665	94	109	135	155	177	191	199	179	162	121	92	88	142	.159
1973	3.93	23,623	85	80	86	128	157	180	172	167	137	126	99	87	126	.141
1974	3.85	23,173	87	101	91	112	156	174	177	160	169	133	107	99	131	.147
1975	3.76	22,723	98	97	97	109	159	169	169	167	147	126	114	102	130	.146
1976	3.76	22,923	118	95	108	115	152	176	166	152	123	111	111	114	129	.144
1977	3.70	23,223	94	110	108	131	112	145	166	158	145	130	119	105	127	.142
1978	3.69	23,773	86	89	89	91	144	153	149	157	129	136	112	93	119	.133
1979	3.62	24,273	89	92	95	117	156	168	171	167	166	134	107	114	131	.147
1980	3.64	24,933	97	100	95	131	142	177	175	173	162	137	124	107	135	.151
AVERAGE 1979-1980	3.65	24,326	91	94	93	113	147	166	165	166	152	136	114	105	128	.143

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ atpca - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA BARBARA

CITY CENSUS POPULATION

CITY MONTECITO (UNINCORPORATED)1970 NA1980 NAHYDROLOGIC STUDY AREA CENTRAL COAST

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER Unincorporated Area East of theCity of Santa Barbara Known as MontecitoWATER SUPPLIER MONTECITOType COUNTY WATER DISTRICT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS ^a		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	2,694														1,303.5
1972	2,722														1,357.8
1973	2,817														973.2
1974	2,832														953.3
1975	2,841														1,043.5
1976	2,850														1,037.3
1977	2,856														936.6
1978	2,892														971.0
1979	2,964														1,054.3
1980															1,102.5

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcas ^{2/}
1970																
1971	3.11	8,367													427	.478
1972	3.14	8,534													435	.487
1973	3.09	8,700													306	.343
1974	3.11	8,800													297	.333
1975	3.13	8,900													321	.360
1976	3.18	9,060													313	.351
1977	3.23	9,220													278	.311
1978	3.27	9,470													281	.315
1979	3.28	9,730													297	.333
1980		10,000													301	.337
AVERAGE 1978-1980		9,733													293	.328

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcas - ACRE-Feet PER CAPITA ANNUALLYMETERED ☒FLAT RATE ☐COMBINATION ☐EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA BARBARA

CITY SANTA BARBARA

HYDROLOGIC STUDY AREA CENTRAL COAST

WATER SUPPLIER SANTA BARBARA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 70,2151980 74,542

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			246.4	261.4	313.0	407.4	497.7	495.4	578.9	521.0	476.1	390.3	287.5	245.3	4,720.4
1971			235	252	372	373	422	402	506	583	495	421	338	277	4,676
1972			274	245	417	439	471	479	495	541	437	377	282	286	4,743
1973			279	194	303	376	406	466	492	483	389	386	304	265	4,343
1974			245	291	272	352	435	443	520	460	423	361	338	269	4,409
1975			313	252	286	335	462	405	497	498	462	425	388	379	4,702
1976			427	291	341	358	445	510	488	491	335	316	330	375	4,707
1977			254	272	343	374	301	372	456	379	388	355	350	298	4,142
1978			267	232	267	238	390	418	474	452	375	363	284	274	4,034
1979			253	221	276	326	424	471	501	530	486	347	304	337	4,476
1980			273	241	326	409	389	488	515	505	418	426	402	349	4,741

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970		69,469	114	134	145	195	231	238	269	242	228	181	138	114	186	.208
1971		69,005	110	130	174	180	197	194	237	273	239	197	163	129	186	.208
1972		68,347	129	124	197	214	222	234	234	255	213	178	138	135	190	.213
1973		68,554	131	101	143	183	191	227	232	227	189	182	148	125	174	.195
1974		70,422	112	148	125	167	199	210	238	211	200	165	160	123	172	.193
1975		70,546	143	128	131	158	211	191	227	228	218	194	183	173	183	.205
1976		72,246	191	139	152	165	199	235	218	219	155	141	152	167	178	.199
1977		72,487	113	134	153	172	134	171	203	169	178	158	161	133	157	.176
1978		73,328	117	113	117	108	172	190	209	199	170	160	129	121	151	.169
1979		72,556	112	109	123	150	189	216	223	236	223	154	140	150	169	.189
1980		73,325	120	113	143	186	171	222	227	222	190	187	183	154	177	.198
AVERAGE		73,070	116	112	128	148	177	209	220	219	194	167	151	142	166	.186

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcan - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA BARBARA

CITY SANTA MARIA

HYDROLOGIC STUDY AREA CENTRAL COAST

WATER SUPPLIER SANTA MARIA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 32,749

1980 39,250

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			116.2	121.8	136.0	244.1	248.0	228.0	277.0	239.7	234.9	201.0	129.7	120.3	2,296.7
1971			114.6	145.4	189.2	202.7	196.1	239.0	280.6	256.6	227.9	199.0	154.2	127.2	2,332.5
1972			132.8	147.8	226.8	207.2	267.5	270.0	248.9	262.1	229.8	165.4	132.4	129.6	2,420.3
1973			107.6	97.6	154.4	190.1	214.5	271.7	260.9	286.0	203.4	198.7	152.6	120.2	2,257.7
1974			113.2	142.6	131.4	171.1	254.3	247.3	274.8	282.5	211.9	200.1	163.3	143.7	2,341.2
1975			161.6	124.9	130.0	160.8	253.5	250.9	276.9	279.1	211.0	200.1	174.8	181.6	2,405.2
1976			213.3	133.8	200.8	201.8	239.9	308.0	299.5	254.1	207.0	180.7	189.5	204.5	2,632.9
1977			140.5	162.8	176.6	207.8	179.4	234.0	268.5	258.4	239.0	200.3	204.6	176.0	2,446.9
1978			119.1	121.7	150.6	123.1	255.5	285.0	272.7	301.8	236.0	226.2	172.1	162.2	2,426.0
1979			135.4	125.6	154.0	198.0	273.1	312.2	296.1	320.9	241.5	219.9	187.3	189.0	2,653.0
1980			150.0	145.2	162.9	250.9	277.1	299.1	313.1	291.7	252.5	281.4	217.4	211.3	2,852.6

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970		32,792	114	133	134	248	244	232	272	236	239	198	132	118	192	215
1971		32,741	113	159	175	206	193	243	276	253	232	196	157	124	195	218
1972		32,707	131	156	224	211	264	275	245	259	234	163	135	128	202	226
1973		32,978	105	106	151	192	210	275	255	280	206	194	154	118	188	211
1974		32,929	111	155	129	173	249	250	269	277	215	196	170	141	195	218
1975		33,268	157	134	126	161	246	251	265	271	211	194	175	176	198	222
1976		34,468	200	134	188	195	225	298	280	238	200	169	183	191	209	234
1977		35,383	128	164	161	196	163	220	245	236	225	183	193	160	189	212
1978		37,100	104	117	131	111	222	256	237	262	212	197	155	141	179	200
1979		38,600	113	116	129	171	228	270	247	268	209	184	162	158	188	211
1980		39,685	122	126	132	211	225	251	255	237	212	229	183	172	196	220
AVERAGE 1970-1980		38,462	113	120	131	164	225	259	246	256	211	203	167	157	188	211

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA CLARA

CITY CENSUS POPULATION

1970 12,684CITY GILROY1980 21,825HYDROLOGIC STUDY AREA CENTRAL COAST

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER GILROYType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	3,232	3,209	51	44	38	83	80	104	112	115	100	89	51	42	909
1971	3,366		39	45	43	60	72	101	124	123	105	80	48	43	883
1972	3,715		35	44	76	77	112	117	121	134	112	89	50	37	1,004
1973	3,729		44	43	38	47	99	118	133	134	124	91	54	39	964
1974	3,849		46	44	42	57	80	127	131	133	138	98	68	49	1,013
1975	4,044		55	53	49	58	76	135	149	145	146	128	51	73	1,118
1976	4,450		57	74	53	92	115	120	138	148	115	101	102	60	1,175
1977	5,065		62	63	52	62	78	98	124	131	124	123	75	57	1,049
1978	5,273		59	55	51	57	96	167	142	195	145	151	100	76	1,294
1979	5,501		58	64	58	87	113	171	215	178	211	147	79	96	1,477
1980	5,900	5,890	65	86	69	80	138	161	198	189	162	147	143	82	1,520

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) 1/														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NDV	DEC	gpcd 1/	apca 2/	
1970	3.953	12,800	129	123	96	216	202	271	282	290	260	224	133	106	195	.218	
1971	3.928	13,200	95	122	105	152	176	255	303	301	265	196	121	105	183	.205	
1972	3.903	14,500	78	105	169	177	249	269	269	298	257	198	115	82	189	.212	
1973	3.879	14,500	98	106	85	108	220	271	296	298	285	202	124	87	182	.204	
1974	3.854	14,800	100	106	92	128	174	286	286	290	311	214	153	107	188	.211	
1975	3.829	15,500	114	122	102	125	158	290	310	302	314	266	110	152	198	.222	
1976	3.804	16,900	109	151	101	181	220	237	263	282	227	193	201	115	190	.213	
1977	3.779	19,100	105	118	88	108	132	171	209	221	216	208	131	96	150	.168	
1978	3.755	19,800	96	99	83	96	156	281	231	318	244	246	168	124	179	.200	
1979	3.730	20,500	91	111	91	141	178	278	338	280	343	231	128	151	197	.221	
1980	3.705	21,900	96	135	102	122	203	245	292	278	247	217	218	121	190	.213	
AVERAGE	3.730	20,733	94	115	92	120	179	268	287	292	278	231	171	132	189	.212	

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ apca - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒FLAT RATE ☐COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA CLARA

CITY LOS ALTOS

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 25,0621980 25,769

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	13,792		152	168	203	284	388	464	493	465	422	323	215	158	3,735
1972	13,881		166	158	307	346	455	471	549	465	379	217	156	164	3,833
1973	14,194		160	143	168	348	470	530	528	493	418	261	194	176	3,889
1974	14,535		163	163	203	258	463	495	519	510	433	308	187	173	3,875
1975	14,667		180	159	182	221	450	511	523	488	408	269	218	194	3,803
1976	14,964		245	200	259	337	522	540	555	435	400	304	226	244	4,267
1977	15,111		188	170	180	255	207	334	363	361	281	269	191	144	2,943
1978	15,320		136	138	174	194	401	438	490	458	420	368	248	208	3,673
1979	15,478		184	156	187	262	422	504	528	503	464	309	190	202	3,911
1980	15,575		176	181	209	294	413	483	493	515	429	380	295	223	4,091

YEAR OF RECDRD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970																
1971	3.84	52,961	93	113	124	179	236	292	300	283	266	197	135	96	193	.216
1972	3.92	54,414	98	100	182	212	270	289	325	276	232	129	96	97	192	.215
1973	3.99	56,634	91	90	96	205	268	312	301	281	246	149	114	100	188	.211
1974	4.07	59,157	89	98	111	145	252	279	283	278	244	168	105	94	179	.200
1975	4.14	60,721	96	94	97	121	239	281	278	259	224	143	120	103	172	.193
1976	4.21	62,998	125	109	133	178	267	286	284	223	212	156	120	125	185	.207
1977	4.29	64,826	94	94	90	131	103	172	181	180	144	134	98	72	124	.139
1978	4.36	66,795	66	74	84	97	194	219	237	221	210	178	124	100	151	.169
1979	4.44	68,722	86	81	88	127	198	244	248	236	225	145	92	95	156	.175
1980	4.51	70,232	81	89	96	140	190	229	226	237	204	175	140	102	159	.178
AVERAGE	4.44	68,503	78	81	89	121	194	231	237	231	213	166	119	99	155	.174

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA CLARA

CITY MILPITAS

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER MILPITAS

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 26,561

1980 37,820

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	6,263		92	89	110	115	162	200	216	207	193	154	120	98	1,756
1972	6,736		109	105	152	170	216	205	237	241	185	124	102	100	1,948
1973	7,200		104	104	106	152	208	227	234	208	176	129	100	95	1,843
1974	7,239		99	96	106	120	197	213	224	221	184	148	101	84	1,793
1975	7,380		86	84	94	98	184	202	202	190	164	119	105	107	1,635
1976	7,420		120	107	126	153	225	230	224	191	165	125	116	113	1,895
1977	7,490		102	85	93	110	97	132	146	137	114	105	83	79	1,283
1978	7,950		78	75	91	96	159	189	202	205	171	161	116	103	1,646
1979	8,400		103	94	114	124	190	231	235	223	212	153	102	100	1,881
1980	8,995		97	96	110	130	179	212	223	228	196	168	134	113	1,886

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpc ^{2/}
1970																
1971	4.48	28,058	106	113	126	137	186	238	243	238	229	177	143	113	171	.192
1972	4.43	29,840	118	121	164	190	234	229	258	261	207	134	114	108	178	.199
1973	4.38	31,536	106	118	108	161	213	240	239	213	186	132	106	97	160	.179
1974	4.34	31,417	102	109	109	127	202	226	230	227	195	152	107	86	156	.175
1975	4.29	31,666	88	95	96	103	187	213	206	194	173	121	111	109	141	.158
1976	4.28	31,758	122	116	128	161	229	241	228	194	173	127	122	115	163	.183
1977	4.27	31,982	103	95	94	115	98	138	147	138	119	106	87	80	110	.123
1978	4.25	33,788	74	79	87	95	152	186	193	196	169	154	114	90	133	.149
1979	4.24	35,616	93	94	103	116	172	216	213	202	198	139	95	91	145	.162
1980	4.23	38,025	82	87	93	114	152	186	189	193	172	143	117	96	136	.152
AVERAGE 1970-1980	4.24	35,810	83	87	94	108	159	196	198	197	180	145	109	95	138	.155

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA CLARA

CITY CENSUS POPULATION

1970 5,5791980 17,300CITY MORGAN HILLHYDROLOGIC STUDY AREA CENTRAL COAST

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER MORGAN HILLType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,617	1,370	18	18	25	35	42	43	48	46	41	33	21	20	390
1971	1,800		22	19	25	28	38	53	58	56	50	41	31	22	443
1972	1,977		22	23	35	39	57	60	63	62	52	34	26	28	501
1973	2,090		26	25	28	39	60	69	71	68	56	40	26	26	534
1974	2,185		26	25	28	31	54	65	74	71	61	51	41	30	557
1975	2,673		35	29	32	26	66	75	81	77	67	48	41	40	617
1976	2,907		45	41	48	52	79	76	65	71	77	55	47	47	703
1977	3,570		47	38	45	57	52	75	89	91	74	71	53	44	736
1978	4,328		42	39	44	44	77	111	131	122	91	96	70	51	918
1979	4,680		51	49	51	70	110	139	143	136	130	90	60	66	1,095
1980	4,973	4,823	59	52	63	76	106	128	135	148	121	111	84	60	1,143

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	mgd 2/
1970	4,072	6,600	88	97	122	177	205	217	235	225	207	161	106	98	162	.181
1971	4,024	7,200	99	94	112	130	170	245	260	251	231	184	144	99	169	.189
1972	3,975	7,900	90	100	143	165	233	253	257	253	219	139	110	114	173	.194
1973	3,927	8,200	102	109	110	159	236	280	279	268	228	157	106	102	178	.199
1974	3,878	8,500	99	105	106	122	205	255	281	269	239	194	161	114	180	.202
1975	3,830	10,200	111	102	101	85	209	245	256	244	219	152	134	127	166	.186
1976	3,781	11,000	132	129	141	158	232	230	191	208	233	161	142	138	175	.196
1977	3,733	13,300	114	102	109	143	126	188	216	221	185	172	133	107	152	.170
1978	3,684	15,900	85	88	89	92	156	233	266	248	191	195	147	103	158	.177
1979	3,636	17,000	97	103	97	137	209	273	271	258	255	171	118	125	176	.197
1980	3,587	17,800	107	101	114	142	192	240	245	268	227	201	157	109	175	.196
AVERAGE 1978-1980	3,636	16,900	96	97	100	124	186	249	261	255	224	189	141	112	170	.190

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA CLARA

CITY CENSUS POPULATION

CITY MOUNTAIN VIEW1970 54,1321980 58,655HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☒OTHER ☐WATER SUPPLIER MOUNTAIN VIEWType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

North Los Altos Water Company, CaliforniaWater Service Company

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	10,258		243	236	282	307	371	410	428	427	394	334	282	249	3,963
1972	10,479		257	253	336	350	426	430	473	465	399	318	278	273	4,258
1973	10,607		284	252	285	374	465	510	508	482	438	360	305	293	4,556
1974	10,911		301	286	318	348	464	494	503	506	437	387	311	289	4,644
1975	11,007		307	276	306	335	468	507	502	492	445	375	336	344	4,693
1976	11,120		361	329	377	407	502	522	526	462	450	394	331	349	5,010
1977	11,548		320	268	282	298	277	340	370	370	321	315	279	257	3,697
1978	11,653		259	242	290	286	409	449	465	479	423	395	317	307	4,311
1979	12,034		304	271	310	335	428	480	489	484	454	389	310	315	4,569
1980	12,471		318	306	332	378	446	495	520	524	468	451	368	319	4,925

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970																
1971	5.19	53,239	147	158	171	192	225	257	259	259	247	202	177	151	204	.228
1972	5.11	53,548	155	163	202	218	257	268	285	280	248	192	173	164	217	.243
1973	5.04	53,459	171	168	172	233	281	318	307	291	273	217	190	177	233	.261
1974	4.96	54,119	179	189	190	214	277	304	300	302	269	231	192	172	235	.263
1975	4.88	53,714	184	184	184	208	281	315	301	295	276	225	209	207	239	.268
1976	4.83	53,710	217	211	226	253	301	324	316	277	279	237	205	210	255	.286
1977	4.78	55,199	187	173	165	180	162	205	216	216	194	184	168	150	183	.205
1978	4.73	55,119	152	157	170	173	239	272	272	274	256	231	192	180	214	.240
1979	4.68	56,319	174	172	178	198	245	284	280	277	269	223	183	180	222	.249
1980	4.63	57,741	178	183	185	218	249	286	291	293	270	252	212	178	233	.261
AVERAGE	4.68	56,393	168	171	174	196	244	281	281	281	265	235	196	179	223	.250

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-FOOT PER CAPITA ANNUALLYMETERED ☒ FLAT RATE ☐ COMBINATION ☐EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA CLARA

CITY PALO ALTO

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER PALO ALTO

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 56,040

1980 55,225

SYSTEM SERVES:

ALL ACCOUNTS IN CITY 3/ ☒

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	17,233	16,144	300	371	338	453	493	645	699	733	688	548	489	359	6,116
1972	18,162	16,898	334	343	385	529	619	684	707	751	674	530	366	330	6,252
1973	18,025	16,761	351	339	330	450	591	700	778	708	666	534	408	337	6,192
1974	18,005	16,736	338	337	341	407	552	701	662	714	747	540	469	360	6,168
1975	18,313	17,223	355	389	355	398	500	888	581	767	666	547	433	421	6,300
1976	18,362	--	392	436	412	504	611	737	756	723	614	504	491	377	6,557
1977	18,419	--	352	341	288	330	326	364	425	454	416	326	290	239	4,151
1978	18,520	--	236	237	241	276	373	535	582	583	559	482	397	302	4,803
1979	18,661	--	294	295	294	342	435	582	589	591	628	499	339	293	5,181
1980	18,737	--	280	306	291	384	483	548	625	644	579	559	462	349	5,510

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	acft 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	3.30	56,869	170	233	192	266	280	378	306	416	403	311	287	204	295	.330
1972	3.24	58,845	183	201	211	300	339	387	388	412	382	291	207	181	290	.325
1973	3.18	57,320	198	211	186	262	333	407	438	398	387	301	237	190	296	.332
1974	3.12	56,176	194	214	196	242	317	416	380	410	443	310	278	207	301	.337
1975	3.06	56,038	204	248	204	237	288	528	334	442	396	315	258	242	308	.345
1976	3.03	55,637	227	270	239	302	354	442	438	419	368	292	294	219	322	.361
1977	3.01	55,441	205	220	168	198	190	219	247	264	250	190	174	139	205	.230
1978	2.99	55,375	137	153	140	166	217	322	339	340	336	281	239	176	238	.267
1979	2.97	55,423	171	190	171	206	253	350	343	344	378	290	204	171	256	.287
1980	2.95	55,300	163	191	170	231	282	330	365	376	349	326	278	204	272	.305
AVERAGE 1978-1980	2.97	55,366	157	178	160	201	251	334	349	353	354	299	240	184	255	.286

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ acft - ACRE-Feet PER CAPITA ANNUALLY

3/ Outside accounts were served prior to 1976

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED AND URBAN PER CAPITA APPLIED WATER

COUNTY SANTA CLARA

CITY SAN JOSE, LOS GATOS, SARATOGA, CAMPBELL 3/

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER SAN JOSE WATER WORKS

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 509,336 (3 cities)

1980 719,471 (4 cities)

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☒ (San Jose)

OTHER ☐ + OUTSIDE

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

CITY OF SAN JOSE AND GREAT OAKS WATER COMPANY

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	143,203		1,795	1,774	2,138	2,513	3,347	4,057	4,373	4,361	3,963	3,057	2,219	1,802	35,399
1972	147,846		1,891	1,849	2,894	3,074	4,119	4,332	4,795	4,676	3,651	2,446	2,046	2,077	37,850
1973	152,353		2,041	1,697	2,002	3,219	4,183	4,655	4,781	4,630	3,920	2,649	1,950	1,840	37,567
1974	157,049		1,921	1,829	2,160	2,535	4,069	4,466	4,832	4,940	4,241	3,193	2,133	2,068	38,387
1975	160,933		2,128	1,939	2,218	2,442	4,334	4,662	4,842	4,689	4,162	2,923	2,426	2,438	39,203
1976	164,717		2,622	2,222	2,882	3,313	4,767	5,002	5,114	4,284	4,010	3,140	2,553	2,573	42,482
1977	168,282		2,246	2,008	2,206	2,891	2,556	3,589	3,988	3,927	3,220	2,891	2,204	1,972	33,698
1978	172,908		1,867	1,731	2,051	2,142	3,909	4,412	4,720	4,715	3,954	3,530	2,547	2,308	37,886
1979	176,428		2,126	1,885	2,260	2,776	4,149	4,906	4,993	4,857	4,496	3,241	2,261	2,343	40,293
1980	184,349		2,254	2,183	2,516	3,071	4,044	4,771	4,894	5,109	4,256	3,785	3,005	2,460	42,348

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	sfpcd 2/
1970																
1971	4.12	589,995	98	107	117	142	183	229	239	238	224	167	125	99	164	.184
1972	4.06	600,255	102	106	156	171	221	241	258	251	203	131	114	112	172	.193
1973	3.99	607,888	108	100	106	177	222	255	254	246	215	141	107	96	169	.189
1974	3.92	615,632	101	106	113	137	213	242	253	259	230	167	115	108	171	.192
1975	3.85	620,029	111	112	115	131	225	251	252	244	224	152	130	127	173	.194
1976	3.85	634,160	133	121	147	174	242	263	260	218	211	160	134	131	183	.205
1977	3.84	646,203	112	111	110	149	128	185	199	196	166	144	114	98	143	.160
1978	3.83	662,238	91	93	100	108	190	222	230	230	199	172	128	112	157	.176
1979	3.82	673,955	102	100	108	137	199	243	239	232	222	155	112	112	164	.184
1980	3.82	703,733	103	107	115	145	185	226	224	234	202	173	142	113	164	.184
AVERAGE	3.82	679,975	99	100	108	130	191	230	231	232	208	167	127	112	162	.181

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ sfpcd - ACRE-FOOT PER CAPITA ANNUALLY

3/ S.J.W.W. acquired Campbell Water Company in May 1980. The 1980 production, connections, and population data include Campbell Water Company

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA CLARA

CITY SANTA CLARA

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER SANTA CLARA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 86,118

1980 87,746

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	20,476		338	331	386	506	531	620	682	618	589	552	388	424	5,965
1972	20,691		344	336	531	494	585	659	713	639	647	384	395	331	6,058
1973	20,934		326	330	408	513	755	715	665	806	574	453	450	338	6,333
1974	21,141		346	356	472	452	775	703	702	883	644	561	481	391	6,766
1975	21,348		437	369	386	426	797	730	855	707	627	609	451	444	6,838
1976	21,654		523	431	489	730	773	785	968	679	699	692	510	532	7,811
1977	22,109		491	417	412	573	451	596	674	614	661	498	431	434	6,252
1978	22,508		394	362	385	519	643	791	781	738	838	622	488	496	7,057
1979	22,830		413	439	461	619	684	961	855	794	933	641	494	592	7,886
1980	23,125		461	492	520	724	703	1,005	816	863	941	709	738	495	8,467

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970																
1971	4.17	85,385	128	138	146	198	201	242	258	233	230	209	151	160	191	.214
1972	4.10	84,833	131	137	202	194	222	259	271	243	254	146	155	126	195	.218
1973	4.03	84,364	125	140	156	203	289	283	254	308	227	173	178	129	206	.231
1974	3.96	83,718	133	152	182	180	299	280	270	340	256	216	192	151	221	.248
1975	3.89	82,978	170	159	150	171	310	293	332	275	252	237	181	173	226	.253
1976	3.86	83,584	202	178	189	291	298	313	374	262	279	267	203	205	255	.286
1977	3.84	84,899	187	175	157	225	171	234	256	233	260	189	169	165	202	.226
1978	3.82	85,981	148	150	144	201	241	307	293	277	325	233	189	186	225	.252
1979	3.80	86,754	154	181	171	238	254	369	318	295	358	238	190	220	249	.279
1980	3.78	87,350	170	194	192	276	260	384	301	319	359	262	282	183	265	.297
AVERAGE	3.80	86,695	157	175	169	238	252	353	304	297	347	244	220	196	246	.276

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcr - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA CLARA

CITY SUNNYVALE

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER SUNNYVALE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 95,976

1980 106,618

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☒

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:
California Water Service Company

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	22,902	22,884	340	359	444	495	578	734	746	712	707	537	443	352	6,447
1972	24,043	24,025	351	403	546	563	695	808	749	838	638	452	384	394	6,821
1973	24,269	24,251	360	352	389	611	747	892	805	831	677	537	437	404	7,042
1974	24,258	3/	400	384	441	511	752	862	778	875	714	601	464	410	7,192
1975	24,808		439	400	420	489	769	904	835	815	707	536	486	529	7,329
1976	25,193		523	447	493	709	823	969	886	759	726	618	519	581	8,053
1977	25,741		461	409	421	487	433	647	581	591	545	494	413	458	5,940
1978	26,000		383	364	435	442	696	960	803	819	726	638	495	523	7,284
1979	26,100		452	418	452	538	749	950	918	962	885	699	574	680	8,277
1980	26,403		571	564	617	756	887	1,007	946	985	885	821	659	615	9,313

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) ^{1/}														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpca ^{2/}	
1970																	
1971	4.18	95,730	115	134	150	172	195	256	251	240	246	181	154	119	185	.207	
1972	4.16	100,019	113	139	176	188	224	269	242	270	213	146	128	127	186	.208	
1973	4.14	100,474	116	125	125	203	240	296	258	267	225	172	145	130	192	.215	
1974	4.12	99,943	129	137	142	170	243	287	251	282	238	194	155	132	197	.221	
1975	4.10	101,713	139	140	133	160	244	296	265	258	232	170	159	168	197	.221	
1976	4.09	103,039	164	150	154	229	258	313	277	238	235	193	168	182	214	.240	
1977	4.08	105,023	142	139	129	155	133	205	178	182	173	152	131	141	155	.174	
1978	4.07	105,820	117	123	133	139	212	302	245	250	229	194	156	159	189	.212	
1979	4.06	105,966	138	141	136	169	228	299	279	293	278	213	181	207	214	.240	
1980	4.05	106,932	172	182	186	236	268	314	285	297	276	248	205	186	238	.267	
AVERAGE	4.06	106,239	142	149	152	181	236	305	270	280	261	218	181	184	214	.240	

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpca - ACRE-FOOT PER CAPITA ANNUALLY

3/ Outside services annexed into city.

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA CRUZ

CITY CENSUS POPULATION

1970 32,0761980 41,483CITY SANTA CRUZHYDROLOGIC STUDY AREA CENTRAL COAST

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER SANTA CRUZ

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

Type MUNICIPAL WATER DEPARTMENT

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	16,393	10,967	215	221	234	254	329	378	326	385	358	309	252	193	3,454
1972	16,687	11,165	217	186	245	299	334	371	392	422	352	258	214	192	3,482
1973	17,074	11,402	188	191	220	291	373	390	403	421	405	302	234	191	3,609
1974	17,368	11,640	218	204	234	268	343	423	384	430	390	347	247	221	3,709
1975	17,658	11,840	233	212	246	265	362	395	399	389	384	313	250	249	3,697
1976	17,806	11,943	278	247	288	308	414	386	397	338	334	322	277	266	3,855
1977	18,304	12,198	277	217	197	216	189	196	215	182	182	206	185	181	2,443
1978	18,621	12,385	218	233	216	189	291	330	351	348	304	292	238	209	3,219
1979	19,510	12,980	214	195	232	278	294	370	388	363	381	271	222	262	3,470
1980	19,277	12,770	249	219	258	302	314	382	380	401	343	351	298	243	3,740

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcap ^{2/}
1970																
1971	3.00	49,179	141	160	153	172	216	256	214	253	243	203	171	127	192	.215
1972	3.03	50,562	138	127	156	197	213	245	250	269	232	165	141	122	188	.211
1973	3.06	52,246	116	131	136	186	230	249	249	260	258	186	149	118	189	.212
1974	3.08	53,493	131	136	141	167	207	264	232	259	243	209	154	133	190	.213
1975	3.11	54,916	137	138	145	161	213	240	234	229	233	184	152	146	184	.206
1976	3.14	55,911	160	152	166	184	239	230	229	195	199	186	165	153	188	.211
1977	3.17	58,024	154	134	110	124	105	113	120	101	105	115	106	101	115	.129
1978	3.21	59,773	118	139	117	105	157	184	189	188	170	158	133	113	148	.166
1979	3.24	63,212	109	110	118	147	150	195	198	185	201	138	117	134	150	.168
1980	3.27	63,036	127	120	132	160	161	202	194	205	181	180	158	124	162	.181
AVERAGE	3.24	62,007	118	123	122	137	156	194	194	193	184	159	136	124	153	.171

1/ gpcd - GALLONS PER CAPITA PER DAY
 2/ afpcap - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SANTA CRUZ

CITY WATSONVILLE

HYDROLOGIC STUDY AREA CENTRAL COAST

WATER SUPPLIER WATSONVILLE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 14,7191980 23,600

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	7,500	4,500	68	68	121	153	180	157	172	169	173	140	108	105	1,614
1971	7,669		92	78	104	128	147	182	170	182	196	165	121	113	1,678
1972	7,945		111	94	148	152	195	188	198	197	184	170	130	109	1,876
1973	8,196		95	86	99	132	185	190	198	195	173	146	122	107	1,728
1974	8,457		98	89	113	118	164	179	175	186	170	159	120	106	1,677
1975	8,719		104	97	116	115	166	157	193	183	180	147	120	120	1,698
1976	9,157		122	107	137	161	216	223	211	184	188	167	144	131	1,991
1977	9,500		117	107	136	183	160	187	194	199	170	169	143	135	1,900
1978	9,950		116	102	150	122	195	212	232	228	209	220	173	147	2,096
1979	10,263		131	114	148	174	227	228	224	224	213	194	152	135	2,164
1980	10,467	6,071	131	127	163	167	187	220	225	223	200	212	171	132	2,158

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	3.271	25,500	90	99	159	208	237	214	226	223	235	184	147	138	180	.202
1971	3.333	25,600	116	109	131	167	185	237	214	229	255	208	158	142	180	.202
1972	3.394	27,000	133	120	177	188	233	232	237	235	227	203	160	130	190	.213
1973	3.456	28,300	108	109	113	155	211	224	226	222	204	166	144	122	167	.187
1974	3.517	29,700	106	107	123	132	178	201	190	202	191	173	135	115	155	.174
1975	3.579	31,200	108	111	120	123	172	168	200	189	192	152	128	124	149	.167
1976	3.641	33,300	118	111	133	161	209	223	204	178	188	162	144	127	163	.183
1977	3.702	35,200	107	109	125	173	147	177	178	182	161	155	135	124	148	.166
1978	3.764	37,500	100	97	129	108	168	188	191	196	186	189	154	126	153	.171
1979	3.825	39,300	108	104	121	148	186	193	184	184	181	159	129	111	151	.169
1980	3.887	40,700	104	108	129	137	148	180	178	177	164	168	140	105	145	.162
AVERAGE	3.825	39,167	104	103	126	131	167	187	184	186	177	172	141	114	150	.168

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

13-77656

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SHASTA

CITY ANDERSON

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER ANDERSON

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 5,492

1980 7,350

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,434	1,421													
1971															
1972															
1973	1,438	1,422													
1974	1,616	1,587													
1975	1,618	1,572											16.5	16.9	
1976	1,796	1,724	18.8	16.8	21.0	24.2	47.4	50.9	63.9	43.1	36.9	36.5	23.0	20.8	403.3
1977	1,867	1,756	19.4	18.2	20.5	28.8	22.8	41.1	54.3	44.8	31.8	20.6	18.6	18.0	338.9
1978	2,057	1,921	18.3	18.0	19.8	10.4	39.2	61.6	54.4	48.0	36.9	28.6	23.0	24.8	383.0
1979			20.4	19.2	22.0	22.7	36.3	46.7	51.4	44.5	39.2	28.6	23.8	23.1	377.9
1980	2,009	1,844	23.3	21.9	24.2	29.7	43.2	46.0	57.4	51.4	34.6	28.6	22.2	26.4	408.9

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE													ANNUALLY	
			MONTHLY (gpcd) ^{1/}														
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}	
1970	3.86	5,540															
1971																	
1972																	
1973	3.91	5,620															
1974	3.92	6,340															
1975	3.93	6,360												87	86		
1976	3.95	7,090	85	82	96	114	216	239	291	196	173	166	108	95	155	.174	
1977	3.81	7,120	88	91	93	135	103	192	246	203	149	93	87	82	130	.146	
1978	3.98	8,180	72	79	78	42	155	251	215	189	150	113	94	98	128	.143	
1979		8,110	81	85	88	93	144	192	204	177	161	114	98	92	128	.143	
1980	4.00	8,040	93	94	97	123	173	191	230	206	143	115	92	106	139	.156	
AVERAGE	3.99	8,110	82	86	88	86	158	211	216	191	151	114	95	99	132	.148	

^{1/} gpcd — GALLONS PER CAPITA PER DAY

^{2/} afpc — ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SHASTA

CITY REDDING

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER REDDING

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 16,659

1980 41,995

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	6,051	5,589	82	79	108	146	215	251	329	309	227	149	87	92	2,076
1971	5,960	5,521	88	83	81	117	145	210	306	304	222	146	106	90	1,898
1972	6,063	5,619	91	83	100	119	201	255	323	299	211	128	99	112	2,021
1973	6,176	5,719	99	84	89	145	225	335	329	387	208	134	88	90	2,213
1974	6,349	5,858	82	72	84	97	206	266	274	306	250	172	97	90	1,996
1975	6,447	5,951	90	77	79	95	193	266	288	315	269	86	89	81	1,928
1976	6,702	6,139	97	70	110	152	289	326	349	224	209	173	123	124	2,246
1977	7,038	6,409	101	95	95	144	118	246	452	490	353	225	159	149	2,627
1978	12,898	12,186	143	127	126	150	213	295	502	487	306	284	166	154	2,953
1979	13,508	12,764	151	127	148	164	222	395	506	484	428	349	171	166	3,311
1980	13,959	13,255	151	145	157	183	296	310	471	582	445	312	190	175	3,417

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	3.03	18,330	144	150	190	266	378	456	579	544	413	262	162	162	310	.347
1971	3.01	17,960	158	165	145	217	260	390	550	546	412	262	197	162	290	.325
1972	3.00	18,175	162	157	177	218	357	468	573	531	387	227	182	199	304	.340
1973	2.98	18,415	173	163	156	262	394	639	576	678	376	235	159	158	329	.368
1974	2.97	18,830	140	137	144	172	353	471	469	524	443	295	172	154	290	.325
1975	2.95	19,020	153	145	134	166	327	466	488	534	471	146	156	137	278	.311
1976	2.93	19,670	159	123	180	258	474	552	572	367	354	284	208	203	312	.350
1977	2.92	20,540 ^{3/}	159	165	149	234	185	399	335	363	270	167	114	110	224	.251
1978	3.38	43,570 ^{4/}	106	104	93	115	158	226	372	361	234	210	127	114	186	.208
1979	3.38	45,720	107	99	104	120	157	288	357	341	312	246	125	117	198	.222
1980	3.17	44,240	110	113	114	139	216	234	343	424	335	227	143	128	211	.236
AVERAGE	3.31	44,510	108	105	104	125	177	249	357	375	294	228	132	120	198	.222

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpc - ACRE-FOOT PER CAPITA ANNUALLY

^{3/} Use through June 1977

^{4/} Use from July 1977 (Enterprise added to system)

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SISKIYOU

CITY MONTAGUE

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER MONTAGUE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 890

1980 1,285

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	371	370	7.6	6.6	7.3	8.2	13.0	18.2	21.5	16.7	12.0	9.9	5.9	5.4	132.3
1971	376	375	5.6	5.6	5.0	5.6	7.0	11.7	25.8	22.7	18.1	14.2	10.2	8.5	140.0
1972	376	375	8.5	7.9	8.5	9.4	19.5	21.3	25.9	22.8	18.1	14.2	10.2	8.5	174.8
1973	376	375	8.5	7.9	8.5	9.4	19.6	21.4	25	26	21	13	10	7	177.3
1974	376	375	7	6	6	7	7	10	13	28	27	14	8	7	140
1975	382	380	7	7	7	7	15	25	21	21	14	8	5	6	143
1976	382	380	6	6	6	7	17	11	22	16	20	13	11	11	146
1977	430	428	11	10	7	11	9	17	24	21	14	8	7	7	146
1978	436	436	7	6	7	7	14	21	27	24	13	13	11	11	161
1979	436	436	10	8	10	11	19	28	28	24	20	18	15	17	208
1980	448	448	16	15	10	12	18	18	26	26	17	13	9	8	188

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	apca ^{2/}
1970	2.40	890	275	265	265	307	471	682	778	605	449	359	202	196	407	.456
1971	2.37	890	203	225	181	210	254	438	935	823	678	515	382	308	431	.483
1972	2.34	880	312	310	312	356	715	807	949	836	686	521	386	312	543	.608
1973	2.34	880	312	321	312	356	718	811	916	953	795	477	379	257	552	.618
1974	2.34	880	257	243	220	265	257	379	477	1,026	1,023	513	303	257	436	.488
1975	2.41	920	245	272	245	254	526	906	736	736	507	281	181	210	426	.477
1976	2.51	960	202	216	202	243	571	382	739	538	694	437	382	370	416	.466
1977	2.37	1,020	348	350	221	359	285	556	759	664	457	253	229	221	392	.439
1978	2.42	1,060	213	202	213	220	426	660	822	730	409	396	346	335	416	.466
1979	2.68	1,170	276	244	276	313	524	798	772	662	570	496	427	469	487	.545
1980	3.01	1,350	382	383	239	296	430	444	621	621	420	311	222	191	380	.426
AVERAGE 1978-1980	2.70	1,193	290	276	243	276	460	634	738	671	466	401	332	332	428	.479

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} apca - ACRE-FEET PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☒ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SISKIYOU

CITY MT. SHASTA

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER MT. SHASTA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 2,256

1980 2,837

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,068	997													
1971	1,046	971													
1972															
1973	1,055	979													
1974	1,087	1,009													
1975	1,105	1,027													
1976	1,134	1,056			25.0	29.8	46.6	63.2	60.0						
1977	1,225	1,143			15.8	20.1	20.0	44.2	48.2	46.6	33.7	17.9	12.1	15.1	
1978	1,357	1,265	15.8	12.5	14.4	13.9	27.3	40.6	49.8	49.6	21.8	26.9	21.7	23.2	317.5
1979	1,380	1,292	30.0	25.5	27.1	23.3	38.2	61.4	72.5	58.7	44.4	27.9	20.4	24.1	453.5
1980	1,472	1,372	23.6	21.4	24.3	27.8	39.9	44.8	75.4	69.0	46.3	34.2	23.3	23.1	453.1

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
1970	2.26	2,420														
1971	2.33	2,430														
1972	2.35	2,470														
1973	2.37	2,500														
1974	2.33	2,530														
1975	2.35	2,590														
1976	2.32	2,630			307	378	572	801	736							
1977	2.25	2,750			185	244	235	536	566	547	408	210	147	177		
1978	2.19	2,970	172	150	156	156	297	456	541	539	245	292	244	252	293	.328
1979	2.19	3,020	320	302	289	257	408	678	774	627	490	298	225	257	411	.460
1980	2.09	3,080	247	240	255	301	418	485	790	723	501	358	252	242	402	.450
AVERAGE 1970-1980	2.16	3,023	246	231	233	238	374	540	702	630	412	316	240	250	369	.413

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-FOOT PER CAPITA ANNUALLYMETERED ☐ FLAT RATE ☒ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SISKIYOU

CITY YREKA

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER YREKA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 5,324

1980 5,916

SYSTEM SERVICES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,750		41.8	34.2	42.9	53.9	62.0	67.2	96.2	89.8	66.9	57.4	47.1	50.2	709.6
1971	1,775		43.6	42.4	45.9	42.7	50.7	66.8	81.1	88.2	63.4	47.3	48.3	44.2	664.6
1972	1,800		39.2	37.4	26.8	24.8	45.9	59.4	79.1	63.5	41.2	32.3	25.4	26.4	501.4
1973	1,835		25.5	22.0	19.8	33.4	57.1	63.3	76.2	80.0	46.0	34.6	21.3	19.4	498.6
1974	1,863	1,856	21.7	17.1	26.0	20.2	47.2	67.5	65.7	73.9	59.6	35.7	20.0	21.7	476.3
1975	1,909	1,902	24.5	19.5	22.2	22.6	49.4	58.3	61.2	67.5	55.1	31.6	25.4	21.4	458.7
1976	1,930	1,923	27.3	19.1	24.9	30.7	50.1	66.5	77.4	45.4	50.8	38.3	27.4	23.7	481.6
1977	2,002	1,994	29.2	24.4	27.0	39.0	36.4	56.3	77.5	82.7	49.4	33.5	23.3	20.8	499.5
1978	2,011	2,000	23.2	28.5	25.2	27.4	58.6	69.0	68.0	72.8	34.8	42.1	27.9	29.8	507.3
1979	2,062	2,050	34.7	26.4	30.5	39.1	55.5	84.9	86.3	87.0	58.6	47.8	26.4	39.9	617.1
1980	2,125	2,113	21.0	24.9	35.0	41.6	60.8	67.2	89.4	99.8	72.2	54.8	32.6	22.5	621.8

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970	3.09	5,410	249	226	256	332	370	414	574	535	412	342	290	299	359	.402
1971	3.06	5,440	259	278	272	262	301	409	481	523	388	280	296	262	335	.375
1972	3.03	5,460	232	236	158	151	271	363	467	375	252	191	155	156	251	.281
1973	3.01	5,520	149	142	116	202	334	382	445	468	278	202	129	113	247	.277
1974	2.98	5,540	126	110	151	122	275	406	383	430	358	208	120	126	236	.264
1975	2.95	5,620	141	124	127	134	284	346	351	387	327	181	150	123	224	.251
1976	2.92	5,630	156	117	143	182	287	394	443	260	301	219	162	136	234	.262
1977	2.89	5,780	163	151	151	225	203	325	433	462	285	187	134	116	237	.265
1978	2.86	5,750	130	177	141	159	329	400	381	408	202	236	162	167	242	.271
1979	2.83	5,830	192	162	169	223	307	485	477	481	335	264	151	221	290	.325
1980	2.80	5,950	114	144	190	233	330	376	485	541	404	297	183	122	286	.320
AVERAGE 1978-1980	2.83	5,843	145	161	167	205	322	420	448	477	314	266	165	170	273	.306

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SOLANO

CITY BENICIA

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER BENICIA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 7,3491980 15,376

SYSTEM SERVES:

ALL ACCOUNTS IN CITY 3/ ☒ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	2,579	2,578				NA			51.7	47.0	41.3	34.0	28.5	26.5	
1972	2,575	2,574	24.6	26.0	31.5	37.7	58.5	61.8	57.1	57.4	45.6	36.8	33.6	48.3	518.9
1973	2,858	2,857	42.5	36.5	52.7	48.4	62.7	71.7							
1974	2,932	2,930							NA						
1975	3,117	3,113							81.7	79.7	67.2	54.7	47.3	49.6	
1976	3,604	3,600	53.8	45.2	54.5	57.9	40.9	81.4	79.9	67.4	62.5	53.2	43.4	51.9	692.0
1977	3,834	3,828	46.4	36.0	37.6	39.9	69.5	63.2	64.9	60.8	53.6	50.6	40.4	39.8	602.7
1978	3,917	3,911	42.2	38.6	42.5	43.7	73.0	83.5	89.1	87.6	77.0	74.6	54.8	55.8	762.4
1979	4,429	4,423	52.7	47.5	53.0	59.0	76.1	103.9	106.0	106.7	96.0	78.1	58.7	60.4	898.1
1980	4,819	4,819	66.7	60.6	82.0	75.5	94.1	106.0	117.7	119.7	106.4	101.3	87.5	78.4	1,095.9

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpc ^{2/}
1970																
1971	3.09	7,969							209	190	173	138	119	107		
1972	3.18	8,189	97	109	124	153	230	252	225	226	186	145	137	190	173	.194
1973	3.27	9,346	147	139	182	173	216	256								
1974	3.36	9,852						NA								
1975	3.45	10,768							245	239	208	164	146	149		
1976	3.42	12,326	141	126	143	157	107	220	209	176	169	139	117	136	153	.171
1977	3.38	12,959	116	99	94	103	173	163	162	151	138	126	104	99	127	.142
1978	3.34	13,083	104	105	105	111	180	213	220	216	196	184	140	138	160	.179
1979	3.31	14,660	116	116	117	134	167	236	233	235	218	172	133	133	168	.188
1980	3.27	15,758	137	133	168	160	193	224	241	245	225	207	185	160	190	.213
AVERAGE	3.31	14,500	119	118	130	135	180	224	231	232	213	188	153	144	173	.194

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpc - ACRE-FOOT PER CAPITA ANNUALLY^{3/} Prior to 1980 there were outside connections.METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SOLANO
CITY DIXON
HYDROLOGIC STUDY AREA SACRAMENTO
WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANY
Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION
1970 4,432
1980 7,541

SYSTEM SERVES:
ALL ACCOUNTS IN CITY ☒
ALL ACCOUNTS IN CITY + OUTSIDE ☐
PARTLY IN CITY ONLY ☐
OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	1,358		14.6	13.7	18.4	25.7	29.1	41.4	47.5	45.5	38.0	28.0	19.1	14.5	335.5
1972	1,393		14.7	14.5	25.7	27.6	40.3	43.5	50.3	46.1	34.0	19.2	14.7	15.9	346.5
1973	1,396		15.2	13.5	14.9	28.9	42.6	46.2	50.5	43.9	34.2	23.0	15.8	15.1	343.8
1974	1,447		15.1	14.2	15.9	21.6	40.7	47.3	44.3	45.8	38.1	29.7	16.8	16.6	346.1
1975	1,508		16.0	14.1	15.8	21.8	41.8	43.1	44.7	45.2	39.7	22.5	17.8	17.4	339.9
1976	1,621		20.9	18.6	28.0	34.0	48.4	48.1	49.3	40.3	36.3	34.9	21.5	21.9	402.2
1977	1,859		18.2	18.0	20.5	29.3	25.0	38.7	41.7	40.4	29.4	28.5	22.1	18.5	330.3
1978	2,040		18.0	16.6	19.8	22.5	42.7	47.7	52.4	50.7	37.5	37.1	23.6	20.5	389.1
1979	2,200		21.2	17.0	20.2	26.6	43.7	56.1	60.0	52.6	47.4	30.5	21.9	21.2	418.4
1980	2,310		20.2	19.3	23.6	34.7	49.6	57.3	66.6	61.0	49.5	42.3	31.3	22.4	477.8

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	3.41	4,631	102	106	128	185	203	298	331	317	274	195	137	101	198	.222
1972	3.38	4,708	101	106	176	195	276	308	345	316	241	132	104	109	201	.225
1973	3.36	4,691	105	103	102	205	293	328	347	302	243	158	112	104	201	.225
1974	3.34	4,833	101	105	106	149	272	326	296	306	263	198	116	111	196	.220
1975	3.31	4,995	103	101	102	145	270	288	289	292	265	145	119	112	186	.208
1976	3.32	5,382	125	119	168	211	290	298	295	242	225	209	133	131	204	.228
1977	3.32	6,172	95	104	107	158	131	207	218	211	159	149	119	97	147	.165
1978	3.32	6,773	86	88	94	111	203	235	250	241	185	177	116	98	157	.176
1979	3.32	7,304	94	83	89	121	193	256	265	232	216	135	100	94	157	.176
1980	3.33	7,688	85	87	99	150	208	248	279	256	215	177	136	94	170	.190
AVERAGE 1978-1980	3.32	7,255	88	86	94	127	201	246	265	243	205	163	117	95	161	.180

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐
EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SOLANO

CITY FAIRFIELD

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER FAIRFIELD

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 44,1461980 58,099

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY+OUTSIDE ☒ 3/2

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	7,751	7,722	91	75	109	148	203	206	246	226	203	140	90	81	1,818
1971	8,017	8,001	90	92	110	142	196	282	268	262	221	117	122	101	2,003
1972	8,655	8,644	99	92	160	168	233	271	242	287	213	118	118	117	2,118
1973	9,216	9,167	101	90	190	180	260	272	248	305	227	158	117	112	2,260
1974	9,481	9,415	101	96	106	142	252	291	301	307	268	216	137	141	2,358
1975	9,806	9,718	141	120	132	134	261	299	308	314	267	169	139	139	2,423
1976	10,400	10,302	138	128	164	202	340	340	337	266	248	208	154	164	2,689
1977	11,018	10,903	145	129	152	224	234	330	369	354	270	255	193	184	2,839
1978	11,389	11,293	195	198	199	210	385	438	471	496	385	339	235	201	3,752
1979	11,773	11,697	180	172	196	234	358	455	484	442	410	277	210	247	3,665
1980	12,681	12,624	243	243	279	328	436	493	517	472	412	349	273	200	4,245

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	apca 2/
1970	3.98	30,849	95	87	114	160	212	223	257	236	219	146	97	85	161	.180
1971	3.98	31,908	91	103	111	148	190	295	271	265	231	118	127	102	172	.193
1972	3.98	34,447	93	92	150	163	218	262	227	269	206	111	114	110	168	.188
1973	3.98	36,680	89	88	167	164	229	247	218	268	206	139	106	98	169	.189
1974	3.99	37,829	86	91	90	125	215	256	257	262	236	184	121	120	171	.192
1975	3.99	39,102	116	110	109	114	215	255	254	259	228	139	118	115	170	.190
1976	3.94	40,976	109	108	129	164	268	277	265	209	202	164	125	129	179	.200
1977	3.90	42,970	109	107	114	174	176	256	277	266	209	191	150	138	181	.203
1978	3.86	43,962	143	161	146	159	283	332	346	364	292	249	178	147	234	.262
1979	3.82	44,973	129	137	141	173	257	337	347	317	304	199	156	177	223	.250
1980	3.78	47,934	164	175	188	228	293	343	348	318	287	235	190	135	242	.271
AVERAGE	3.82	45,623	145	158	158	187	278	337	347	333	294	228	175	153	233	.261

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ apca - ACRE-FOOT PER CAPITA ANNUALLY

3/ Excluding the population of Travis Air Force Base which is within Fairfield, but not served by Fairfield

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SOLANO

CITY RIO VISTA

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER RIO VISTA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 3,135

1980 3,142

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ ^{2/}

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,072	1,066	15	12	20	34	47	51	61	49	49	30	14	13	395
1971	1,131	1,124	15	14	18	29	32	26	63	52	47	30	17	14	357
1972	1,291	1,284	15	17	27	40	41	50	67	51	40	19	14	16	397
1973	1,307	1,300	13	11	14	27	44	52	53	53	40	23	14	14	358
1974	1,231	1,224	14	12	16	21	46	47	55	58	21	25	NA	NA	
1975	1,238	1,238	13	13	13	16	23	51	51	53	47	28	12	15	335
1976			17	13	28	37	54	34	62	32	33	33	25	13	381
1977			15	10	22	28	36	37	47	40	36	28	17	17	333
1978			15	16	15	28	42	60	42	42	35	28	16	20	359
1979			16	16	15	26	36	46	51	48	47	27	16	18	362
1980	1,260	1,260	15	16	19	27	40	47	56	52	40	36	27	18	393

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	atpca ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	2.94	3,152	154	136	205	360	481	539	624	501	518	307	148	133	343	.384
1971	2.84	3,212	151	156	181	301	321	270	633	522	488	301	176	141	305	.342
1972	2.73	3,524	137	166	247	378	375	473	613	467	378	174	132	146	308	.345
1973	2.62	3,424	122	115	132	263	415	506	499	499	389	217	136	132	286	.320
1974	2.52	3,102	146	138	166	226	478	505	572	603	226	260	NA	NA		
1975	2.41	2,986	140	155	140	179	248	569	551	573	525	302	134	162	307	.344
1976	2.42	3,016	182	149	299	409	578	376	663	342	365	353	276	139	345	.386
1977	2.44	3,046	159	117	233	306	381	405	498	424	394	297	186	180	300	.336
1978	2.45	3,075	157	186	157	304	441	650	441	441	379	294	173	210	320	.358
1979	2.47	3,105	166	184	156	279	374	494	530	499	505	281	172	187	319	.357
1980	2.49	3,135	154	176	196	287	412	500	576	535	425	370	287	185	343	.384
AVERAGE 1978-1980	2.47	3,105	159	182	170	290	409	548	516	492	436	315	211	194	327	.366

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} atpca - ACRE-FEET PER CAPITA ANNUALLY

^{3/} Prior to 1975 there were outside services.

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SOLANO

CITY VACAVILLE

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER VACAVILLE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 21,690

1980 43,367

SYSTEM SERVES:

ALL ACCOUNTS IN CITY 3/

ALL ACCOUNTS IN CITY + OUTSIDE

PARTLY IN CITY ONLY

OTHER

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS ¹		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	5,215	5,193	62	71	73	86	114	176	197	197	169	132	98	87	1,462
1972	5,544	5,494	73	75	92	106	158	196	216	214	164	103	85	87	1,569
1973	6,030	5,978	75	62	70	114	167	215	217	219	169	105	86	87	1,586
1974	6,536	6,485	76	71	77	88	171	221	235	239	202	166	90	85	1,721
1975	7,013	6,962	80	70	80	94	187	239	253	251	227	150	111	98	1,840
1976	7,733	7,682	106	91	117	140	216	235	270	264	246	199	127	129	2,140
1977	8,643	8,592	110	95	105	150	144	240	283	273	208	202	122	104	2,036
1978	9,623	9,572	103	100	108	118	220	282	322	325	246	233	136	101	2,294
1979	10,424 ₃	10,424	89	80	123	159	246	342	354	342	317	211	127	123	2,513
1980	11,158	11,158	121	83	138	171	240	269	371	361	317	247	178	122	2,618

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970																
1971	4.37	22,790	88	111	103	126	161	257	279	279	247	187	143	123	176	.197
1972	4.36	24,172	97	107	123	146	211	270	288	286	226	137	117	116	177	.198
1973	4.35	26,231	72	84	86	145	205	273	267	269	215	129	109	107	166	.186
1974	4.34	28,366	86	89	88	103	194	260	267	272	237	189	106	97	166	.186
1975	4.33	30,366	85	82	85	103	199	262	269	267	249	159	122	104	166	.186
1976	4.24	32,788	104	96	115	142	213	239	266	260	250	196	129	127	178	.199
1977	4.16	35,955	99	94	94	139	129	223	254	245	193	181	113	93	155	.174
1978	4.08	39,262	85	91	89	100	181	239	265	267	209	191	115	83	160	.179
1979	4.00	41,696	68	69	95	127	190	273	274	265	253	163	102	95	165	.185
1980	3.91	43,675	89	66	102	131	177	205	274	267	242	182	136	90	164	.184
AVERAGE	4.00	41,544	81	75	95	119	183	239	271	266	235	179	118	89	163	.183

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY^{3/} Prior to 1979 there were outside connectionsMETERED ☒FLAT RATE ☐COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SONOMA

CITY HEALDSBURG

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER HEALDSBURG

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 5,438

1980 7,217

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY* OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	2,376		27	27	30	43	54	73	75	77	55	43	22	30	556
1972	2,514		26	26	30	34	58	66	75	75	51	30	33	30	534
1973	2,621		28	25	24	40	64	74	80	72	53	35	26	26	547
1974	2,780		26	27	30	31	60	69	72	70	61	41	24	30	541
1975	2,927	2,842	29	26	32	31	62	72	80	76	58	38	30	32	566
1976	3,071		28	25	36	41	58	82	69	69	62	45	43	35	593
1977	3,214		36	28	30	38	35	54	56	61	42	28	26	22	456
1978	3,410		24	22	30	31	59	66	69	73	48	46	38	32	538
1979	3,939		34	29	31	37	54	74	93	86	58	44	41	36	617
1980	4,039	3,984	37	32	38	57	80	53	76	84	72	64	51	36	680

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcd 2/
1970																
1971	2.44	5,797	150	166	167	247	300	420	417	428	316	239	127	167	263	.295
1972	2.37	5,958	141	150	162	190	314	369	406	406	285	162	185	162	245	.274
1973	2.30	6,028	150	148	128	221	342	409	428	385	293	187	144	139	249	.279
1974	2.24	6,227	135	155	155	166	311	369	373	363	327	212	128	155	238	.267
1975	2.17	6,352	147	146	163	163	315	378	406	386	304	193	157	163	244	.273
1976	2.10	6,449	140	134	180	212	290	424	345	345	320	225	222	175	251	.281
1977	2.03	6,524	178	153	148	194	173	276	277	302	215	138	133	109	191	.214
1978	1.96	6,684	116	118	145	155	285	329	333	352	239	222	190	154	221	.248
1979	1.89	7,445	147	139	134	166	234	331	403	373	260	191	184	156	227	.254
1980	1.82	7,351	162	150	167	258	351	240	334	369	326	281	231	158	253	.283
AVERAGE	1.89	7,160	142	136	149	193	290	300	357	365	275	231	202	156	234	.262

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SONOMA

CITY PETALUMA

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER PETALUMA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 24,8701980 33,834

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	8,566	--	80.7	78.3	86.7	96.7	133.9	171.6	190.6	188.2	167.7	133.1	100.9	94.6	1,523.0
1972	9,349	--	95.6	91.0	112.0	128.9	175.5	185.6	198.5	198.3	155.5	109.5	96.5	105.3	1,652.2
1973	9,593	--	104.5	91.1	100.3	140.4	191.4	210.1	217.4	200.6	166.2	130.3	99.7	105.1	1,757.1
1974	9,691	--	108.6	94.5	104.0	113.2	181.2	200.8	198.2	202.8	175.2	152.3	105.7	103.5	1,740.0
1975	9,876	9,350	106.3	93.4	104.0	111.3	182.6	200.1	208.7	208.4	182.0	124.4	105.2	109.2	1,735.6
1976	10,137	--	112.1	105.1	116.8	131.4	195.9	203.7	217.0	188.3	176.4	147.0	123.1	121.9	1,838.7
1977	10,271	--	116.2	88.1	86.3	91.0	91.1	121.4	148.1	150.9	119.0	113.0	89.3	88.0	1,302.4
1978	10,539	--	89.7	82.8	95.5	94.3	157.7	187.1	203.6	204.3	167.2	158.1	114.8	105.5	1,660.6
1979	10,801	10,265	104.0	95.2	109.6	116.3	171.0	220.6	227.7	221.5	199.7	138.8	105.7	108.2	1,818.3
1980	11,168	10,636	111.9	103.1	121.1	141.4	185.8	217.2	234.4	227.1	194.9	163.5	138.1	119.6	1,958.1

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpcas 2/
1970																
1971	3.33	28,525	91	98	98	113	151	201	216	213	196	151	118	107	146	.164
1972	3.33	31,132	99	101	116	138	182	199	206	205	166	113	103	109	145	.162
1973	3.32	31,849	106	102	102	147	194	220	220	203	174	132	104	106	151	.169
1974	3.32	32,174	109	105	104	117	182	208	199	203	182	153	110	104	148	.166
1975	3.32	32,788	105	102	102	113	180	203	205	205	185	122	107	107	145	.162
1976	3.29	33,351	108	109	113	131	189	204	210	182	176	142	123	118	151	.169
1977	3.27	33,586	112	94	83	90	87	120	142	145	118	109	89	85	106	.119
1978	3.24	34,146	85	87	90	92	149	183	192	193	163	149	112	100	133	.149
1979	3.22	34,779	96	98	102	111	159	211	211	205	191	129	101	100	143	.160
1980	3.19	35,626	101	100	110	132	168	203	212	206	182	148	129	108	150	.168
AVERAGE 1978-1980	3.22	34,850	94	95	101	112	159	199	205	201	179	142	114	103	142	.159

1/ gpcd -- GALLONS PER CAPITA PER DAY

2/ afpcas -- ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SONOMA

CITY ROHNERT PARK

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER ROHNERT PARK

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 6,133

1980 22,965

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☐ ☐

PARTLY IN CITY ONLY ☐ ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	1,726		-----Not Available-----												432
1972	2,015		17	16	21	29	46	52	66	59	48	31	26	28	439
1973	2,305		29	28	27	41	59	75	80	75	57	45	35	34	585
1974	2,584		34	33	34	39	67	85	83	82	75	64	36	37	669
1975	2,874		35	33	36	38	76	89	91	77	72	49	36	36	668
1976	3,473		47	40	48	55	100	113	121	108	96	79	70	48	925
1977	4,055		44	39	41	60	64	74	88	98	79	62	44	45	738
1978	4,264		45	42	52	52	102	112	120	128	120	107	87	62	1,029
1979	4,362		54	57	60	78	112	174	196	168	151	95	64	64	1,273
1980	5,011		64	61	74	94	129	161	183	160	136	108	95	72	1,337

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpc 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	4,32	7,456	-----Not Available-----												159	.178
1972	4,36	8,785	62	63	77	110	169	197	242	217	182	114	99	103	137	.153
1973	4,41	10,165	92	98	86	134	187	246	254	238	187	143	115	108	158	.177
1974	4,45	11,499	95	102	95	113	188	246	233	230	217	180	104	104	159	.178
1975	4,50	12,926	87	91	90	98	190	230	227	192	186	122	93	90	142	.159
1976	4,53	15,733	96	88	98	117	205	239	248	221	203	162	148	98	161	.180
1977	4,55	18,450	77	75	72	108	112	134	154	171	143	108	79	79	110	.123
1978	4,58	19,529	74	77	86	89	168	191	198	211	205	177	148	102	144	.161
1979	4,61	20,109	87	101	96	129	180	288	314	269	250	152	106	103	173	.194
1980	4,64	23,250	89	90	103	135	179	231	254	222	195	150	136	100	157	.176
AVERAGE 1978-1980	4,61	20,963	83	89	95	118	176	237	255	234	217	160	130	102	158	.177

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SONOMA

CITY SANTA ROSA

HYDROLOGIC STUDY AREA NORTH COAST

WATER SUPPLIER SANTA ROSA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 50,006

1980 83,205

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	18,032		198	219	221	245	312	470	478	459	400	300	273	225	3,800
1972	19,309	16,953	218	230	250	257	313	450	533	423	375	276	247	268	3,840
1973	21,310	19,002	232	220	240	331	467	526	555	508	383	346	249	270	4,327
1974	22,710	20,396	230	159	230	284	404	546	516	477	484	423	265	241	4,259
1975	23,832	21,506	269	251	259	278	490	494	574	505	522	324	293	268	4,527
1976	24,837	22,511	324	259	297	319	562	590	711	590	583	389	297	331	5,252
1977	26,116	23,790	256	223	215	240	213	277	337	307	277	266	220	220	3,051
1978	27,114	24,755	238	207	242	228	610	491	544	601	418	440	315	277	4,611
1979	27,846	25,442	303	246	276	309	366	585	629	583	479	382	275	281	4,714
1980	28,998	26,501	278	260	296	334	454	563	616	572	493	427	293	334	4,920

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970																
1971	3.25	58,604	109	133	122	139	172	267	263	253	228	165	155	124	178	.199
1972	3.20	60,789	114	128	131	139	163	243	278	221	202	144	133	140	170	.190
1973	3.15	67,126	111	117	115	164	224	261	267	244	190	166	124	130	177	.198
1974	3.10	70,401	105	81	105	134	185	259	236	219	229	194	125	110	166	.186
1975	3.05	72,688	119	123	115	127	217	227	255	224	239	144	134	119	171	.192
1976	3.07	76,250	137	117	126	139	238	258	301	250	255	165	130	140	188	.211
1977	3.09	80,698	102	99	86	99	85	114	135	123	114	106	91	88	104	.116
1978	3.11	84,325	91	88	93	90	233	194	208	230	165	168	125	106	150	.168
1979	3.13	87,158	112	101	102	118	135	224	233	216	183	141	105	104	148	.166
1980	3.15	91,344	98	98	105	122	160	205	218	202	180	151	107	118	147	.165
AVERAGE	3.13	87,609	100	96	100	110	176	208	220	216	176	153	112	109	148	.166

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SONOMA
CITY SEBASTOPOL
HYDROLOGIC STUDY AREA NORTH COAST
WATER SUPPLIER SEBASTOPOL
Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION
1970 3,993
1980 5,500

SYSTEM SERVES:
ALL ACCOUNTS IN CITY ☐
ALL ACCOUNTS IN CITY + OUTSIDE ☒
PARTLY IN CITY ONLY ☐
OTHER _____
OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	3/														
1971			-----NA-----						27	28	28	18	18	12	
1972			15	13	14	16	36	25	37	44	43	15	11	15	284
1973			18	14	13	19	23	28	36	40	27	38	18	19	293
1974			15	15	15	21	25	30	38	32	35	24	16	19	285
1975			15	14	19	15	23	38	31	32	32	21	17	19	276
1976			15	15	21	18	36	34	34	35	25	20	23	16	292
1977			18	14	14	19	23	24	29	39	35	38	16	14	283
1978			18	15	15	16	24	29	40	31	25	29	19	18	279
1979	1,984	1,949	19	16	16	26	21	30	39	33	29	25	16	20	290
1980	2,024	1,989	15	16	20	20	27	38	31	30	34	24	22	23	300

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971		4,060							215	222	230	143	148	95	--	--
1972		4,160	116	108	109	128	279	200	287	341	345	116	88	116	187	.209
1973		4,310	135	116	97	147	172	217	269	299	209	284	139	142	186	.208
1974		4,660	104	115	104	150	173	215	263	222	250	166	114	132	168	.188
1975		4,810	101	104	127	104	154	263	208	215	222	141	118	127	157	.176
1976		4,880	99	106	139	123	238	232	225	231	171	132	157	106	163	.183
1977		4,810	121	104	94	132	154	166	194	262	243	255	111	94	161	.180
1978		4,959	117	108	98	108	156	195	260	202	168	189	128	117	154	.172
1979	2.77	5,496	112	104	94	158	123	182	229	194	176	147	97	117	145	.162
1980	2.77	5,606	86	98	115	119	155	226	178	173	202	138	131	132	146	.164
AVERAGE 1978-1980	2.77	5,354	105	103	102	128	145	201	222	190	182	158	119	122	148	.166

1/ gpcd - GALLONS PER CAPITA PER DAY
2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY
3/ Count inaccurate prior to 1979.

METERED ☒ FLAT RATE ☐ COMBINATION ☐
EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY SONOMA

CITY SONOMA

HYDROLOGIC STUDY AREA SAN FRANCISCO BAY

WATER SUPPLIER SONOMA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 4,259

1980 6,054

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

Valley of the Moon CWD

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	1,777	1,558	17.5	18.9	19.7	23.8	32.6	48.8	49.5	50.1	44.9	29.0	24.9	19.6	379.3
1972	1,818	1,555	19.7	21.1	25.3	27.6	46.7	50.1	53.7	51.5	38.9	25.1	22.9	25.3	407.9
1973	1,953	1,687	21.7	19.9	22.7	33.0	47.4	52.3	58.0	55.6	38.2	33.4	20.8	23.0	426.0
1974	2,015	1,727	19.8	20.2	23.5	23.7	42.4	58.1	50.7	50.8	49.0	38.7	25.2	20.4	422.5
1975	2,116	1,753	23.1	23.1	22.9	23.7	47.6	49.0	53.8	49.5	50.6	28.8	24.8	22.4	419.3
1976	2,165	1,902	28.9	23.1	27.7	30.5	54.6	52.0	60.3	42.2	44.0	36.1	26.0	28.1	453.5
1977	2,255	1,974	20.7	17.8	16.0	19.7	16.6	23.7	34.0	31.2	24.0	21.6	15.6	13.9	254.8
1978	2,290	2,007	15.9	14.1	19.5	18.4	37.3	44.4	50.3	48.5	36.1	38.4	26.6	23.4	372.9
1979	2,372	2,087	25.3	21.2	22.6	27.3	37.4	52.9	57.6	53.4	45.8	35.2	23.6	22.1	424.4
1980	2,454	2,165	21.2	20.3	25.5	30.9	45.3	54.5	57.3	53.8	49.5	40.1	26.0	27.4	451.8

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	2.91	5,171	109	131	123	153	203	315	309	313	289	181	161	122	201	.225
1972	2.88	5,236	121	139	156	176	288	319	331	317	248	155	146	156	213	.239
1973	2.84	5,547	126	128	132	198	276	314	337	323	230	194	125	134	210	.235
1974	2.80	5,642	113	128	134	140	242	343	290	290	289	221	149	117	205	.230
1975	2.76	5,840	128	141	126	135	263	280	297	273	289	159	142	124	197	.221
1976	2.76	5,975	156	133	150	170	295	290	326	228	245	195	145	152	207	.232
1977	2.76	6,224	107	102	83	106	86	127	176	162	129	112	84	72	112	.125
1978	2.76	6,320	81	80	100	97	190	234	257	248	190	196	140	119	162	.181
1979	2.77	6,570	124	115	111	139	184	268	283	262	232	173	120	109	177	.198
1980	2.77	6,798	101	103	121	152	215	267	272	255	243	190	127	130	182	.204
AVERAGE 1978-1980	2.77	6,563	102	99	111	129	196	256	271	255	222	186	129	119	174	.195

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY STANISLAUS

CITY CENSUS POPULATION

CITY MODESTO1970 61,7121980 107,200HYDROLOGIC STUDY AREA SAN JOAQUIN

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER MODESTO AND DEL ESTE WATER COMPANY

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

Type MUNICIPAL WATER DEPARTMENT & PRIVATE WATER COMPANY

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	20,428		302	284	466	679	1,008	1,122	1,377	1,368	1,106	688	349	315	9,064
1971	21,733		310	321	439	602	880	1,153	1,395	1,415	1,156	693	437	342	9,143
1972	23,092		386	426	832	863	1,253	1,442	1,704	1,753	1,353	812	467	465	11,756
1973	24,472		419	360	402	755	1,274	1,458	1,624	1,681	1,239	775	513	452	10,952
1974	25,748		375	415	491	624	1,183	1,393	1,604	1,673	1,473	1,000	491	440	11,162
1975	27,093		444	410	487	694	1,312	1,472	1,659	1,159	1,437	948	533	521	11,076
1976	29,863		639	524	765	916	991	1,571	1,758	1,502	1,383	985	681	633	12,348
1977	32,596		531	500	568	914	903	1,058	1,480	1,558	1,321	1,009	632	571	11,072
1978	33,027		488	460	573	670	1,210	1,520	1,731	1,893	1,206	1,105	720	580	12,161
1979	34,260		545	485	600	899	1,414	1,666	1,839	1,812	1,758	1,061	658	644	13,381
1980	35,175		573	558	702	1,050	1,380	1,603	1,757	2,106	1,462	1,224	869	678	13,962

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	3.123	63,800	153	159	236	355	510	586	696	692	578	348	182	159	389	.436
1971	3.127	68,000	147	169	208	295	417	565	662	671	567	329	214	162	368	.412
1972	3.131	72,300	172	203	371	398	559	665	760	782	624	362	215	207	444	.497
1973	3.134	76,700	176	168	169	328	536	634	683	707	538	326	223	190	391	.438
1974	3.138	80,600	150	183	196	257	472	575	640	668	608	399	203	176	378	.423
1975	3.142	85,100	168	172	185	272	497	577	629	439	563	359	209	197	357	.400
1976	3.146	93,900	220	192	263	325	340	558	604	516	491	338	242	217	359	.402
1977	3.150	102,700	167	174	178	297	284	352	465	489	429	317	205	179	295	.330
1978	3.153	104,100	151	158	178	215	375	487	536	588	386	342	231	180	320	.358
1979	3.157	108,200	162	160	179	277	422	513	548	540	542	316	203	192	339	.380
1980	3.161	111,200	166	173	204	315	400	481	510	611	438	355	260	197	343	.384
AVERAGE 1979-1980	3.157	107,833	160	164	187	269	399	494	531	580	455	388	231	190	334	.374

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-FEET PER CAPITA ANNUALLY

1970 use differs from Bulletin 166-2 because the service area of Del Este Water Company was added.

* METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY STANISLAUS

CITY CENSUS POPULATION

CITY NEWMAN1970 2,5051980 2,835HYDROLOGIC STUDY AREA SAN JOAQUIN

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER NEWMANType MUNICIPAL WATER DISTRICT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	818	814	9	8	12	16	21	23	23	24	21	17	7	9	190
1971	835		8	5	12	15	19	23	21	26	20	14	5	5	173
1972	868		8	12	22	17	24	25	30	26	23	14	4	4	209
1973	894		6	3	6	13	24	29	34	29	8	13	9	9	183
1974	897		7	8	8	9	26	31	34	37	29	27	10	10	236
1975	901		8	9	12	16	33	48	43	39	39	34	23	16	320
1976	911		13	10	15	21	41	63	35	34	36	18	9	10	305
1977	932		5	13	7	13	11	22	26	21	20	14	6	4	164
1978	940		6	2	4	4	22	30	29	27	21	19	14	12	190
1979	957		7	8	12	17	24	33	32	30	26	21	11	11	232
1980	966	961	11	10	13	14	24	27	33	34	24	19	14	13	236

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	atpcd ^{2/}
1970	3.077	2,500	116	114	155	213	271	307	297	310	280	219	93	116	208	.233
1971	3.064	2,600	99	69	149	192	236	295	261	323	256	174	64	62	182	.204
1972	3.052	2,600	99	159	273	218	298	321	372	323	295	174	51	50	220	.246
1973	3.039	2,700	72	40	72	160	287	358	406	346	99	155	111	108	186	.208
1974	3.026	2,700	84	106	96	111	311	383	406	442	358	323	123	119	239	.268
1975	3.014	2,700	96	119	143	198	394	593	514	466	481	406	284	191	325	.364
1976	3.001	2,700	155	128	179	259	490	778	418	406	444	215	111	119	309	.346
1977	3.988	2,800	58	166	81	155	127	262	300	242	238	161	95	46	160	.179
1978	2.975	2,800	69	26	46	48	253	357	334	311	250	219	167	138	186	.208
1979	2.963	2,800	81	102	138	202	276	393	369	346	310	242	131	127	227	.254
1980	2.950	2,900	122	119	145	161	267	310	367	378	276	211	161	145	222	.249
AVERAGE 1978-1980	2.963	2,833	91	82	110	137	265	353	357	345	279	224	153	137	212	.237

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} atpcd - ACRE-FEET PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY TEHAMA

CITY CORNING

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER CORNING, CITY OF

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 3,573

1980 4,745

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ ☐

ALL ACCOUNTS IN CITY+ OUTSIDE ☐ ☐

PARTLY IN CITY ONLY ☐ ☐

OTHER _____

OTHER WATER SERVICE AGENCY (\$) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,385	1,385	19	15	22	36	47	39	65	53	44	26	17	17	400
1971	1,410	1,410	17	20	20	40	38	49	65	55	42	27	17	17	407
1972	1,439	1,439	20	14	26	32	41	50	65	59	60	21	15	19	422
1973	1,465	1,465	18	16	14	16	37	62	67	62	43	25	19	23	402
1974	1,491	1,491	19	18	17	18	33	57	66	62	44	23	18	22	397
1975	1,548	1,548	20	17	18	22	34	58	62	69	57	44	26	23	450
1976	1,556	1,556	25	22	19	39	56	82	54	58	45	35	28	17	480
1977	1,597	1,597	20	20	16	40	47	67	71	62	62	44	26	19	494
1978	1,631	1,631	19	19	16	27	45	71	98	78	63	46	37	36	555
1979	1,775	1,775	30	20	17	28	56	79	97	86	33	48	37	20	551
1980	1,800	1,800	32	26	37	39	35	61	56	98	81	69	76	55	665

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	spc 2/
1970	2.58	3,570	172	150	199	336	425	364	587	479	411	235	159	154	307	.344
1971	2.59	3,640	151	196	177	366	337	449	576	487	385	239	156	151	306	.343
1972	2.59	3,730	173	129	225	286	355	447	562	510	536	182	134	164	309	.346
1973	2.60	3,800	153	150	119	140	314	544	569	526	377	212	167	195	290	.325
1974	2.60	3,800	158	166	141	155	274	490	549	515	378	191	155	183	280	.314
1975	2.61	4,030	160	151	144	182	272	480	496	552	471	352	215	184	306	.343
1976	2.61	4,060	199	187	151	320	445	673	429	461	369	278	230	135	323	.362
1977	2.62	4,180	154	171	123	319	363	534	548	478	494	340	207	147	324	.363
1978	2.62	4,280	143	159	121	210	339	553	739	588	491	347	288	271	355	.398
1979	2.63	4,660	208	153	118	200	388	565	671	595	236	332	265	138	324	.363
1980	2.63	4,740	218	189	252	274	238	429	381	667	570	470	534	374	383	.429
AVERAGE 1979-1980	2.63	4,560	190	167	164	228	322	516	597	617	432	383	362	261	354	.396

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} a/cpa - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY TEHAMA

CITY RED BLUFF

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER RED BLUFF, CITY OF

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 7,676

1980 9,490

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	2,749	2,704	58	48	69	108	157	164	220	211	152	104	52	53	1,396
1971	2,739	2,686	55	52	61	89	115	153	229	208	176	96	71	64	1,369
1972	2,785	2,726	59	59	81	114	164	186	250	236	167	83	69	78	1,546
1973	2,968	2,903	81	40	52	131	155	200	217	194	141	78	61	32	1,382
1974	3,067	3,001	34	29	29	43	262	165	171	191	154	67	87	44	1,276
1975	3,129	3,060	39	38	37	49	134	188	184	165	150	66	43	33	1,126
1976	3,149	3,075	46	39	58	166	159	177	195	141	116	62	52	49	1,260
1977	3,170	3,086	40	52	57	81	72	157	184	161	108	61	59	42	1,074
1978	3,473	3,384	35	44	37	32	93	148	158	163	108	98	60	50	1,026
1979	3,476	3,416	44	41	46	56	113	178	178	177	119	72	40	40	1,104
1980	3,626	3,551	41	38	37	52	130	143	115	116	82	56	65	52	927

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpc ^{2/}
1970	2.84	7,800	240	220	285	462	649	701	910	873	650	430	222	219	490	.549
1971	2.82	7,730	229	240	255	384	480	660	956	868	759	401	306	267	485	.543
1972	2.81	7,820	243	260	334	486	677	793	1,031	974	712	342	294	322	540	.605
1973	2.79	8,280	316	173	203	527	604	805	845	756	568	304	246	125	457	.512
1974	2.77	8,510	129	122	110	168	993	646	648	724	603	254	340	167	411	.460
1975	2.76	8,630	146	157	138	189	501	726	688	617	579	247	166	123	357	.400
1976	2.74	8,630	172	156	217	641	594	684	729	527	448	232	201	183	399	.447
1977	2.73	8,640	149	244	213	313	269	606	687	601	417	228	228	157	341	.382
1978	2.71	9,410	120	167	127	113	319	524	542	559	383	336	213	171	299	.335
1979	2.69	9,360	152	156	159	199	389	634	613	610	424	248	142	139	232	.362
1980	2.68	9,710	136	135	123	179	432	491	382	385	281	186	223	173	261	.292
AVERAGE 1978-1980	2.69	9,493	136	153	136	164	380	550	512	518	363	257	193	161	294	.329

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY TULARE
CITY LINDSAY
HYDROLOGIC STUDY AREA TULARE LAKE
WATER SUPPLIER LINDSAY
Type MUNICIPAL WATER DISTRICT

CITY CENSUS POPULATION

1970 5,206

1980 6,938

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,904	1,856	34	29	36	49	54	76	86	69	80	73	49	23	658
1971	1,917		33	40	43	69	50	60	60	86	96	82	58	56	733
1972	1,915		39	29	43	49	67	69	90	88	74	62	36	33	679
1973	1,943		22	44	28	27	43	88	101	78	68	68	73	47	687
1974	1,922		53	49	42	44	75	75	83	98	72	100	57	36	784
1975	1,983		50	40	40	54	47	68	96	82	74	91	65	49	756
1978	2,045		57	58	34	57	60	96	90	82	87	53	68	60	802
1977	2,128		38	63	45	47	71	95	71	93	42	41	32	42	680
1978	2,157		57	39	41	34	62	81	80	91	60	89	71	67	772
1979	2,170		67	45	64	71	96	109	99	104	99	91	55	68	968
1980	2,200		60	61	69	70	53	73	88	96	75	90	64	53	852

YEAR OF RECORD	PERSONS PER CONNEC- TION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	atpcd ^{2/}
1970	2,805	5,300	207	195	219	308	329	478	523	420	503	444	308	140	340	.381
1971	2,840	5,400	197	265	257	426	299	370	358	514	593	490	358	335	372	.417
1972	2,875	5,500	229	182	252	297	393	418	528	516	448	364	218	194	337	.377
1973	2,910	5,700	125	276	158	158	243	515	572	441	398	385	427	266	330	.370
1974	2,945	5,700	300	307	238	257	424	439	470	555	421	566	333	204	377	.422
1975	2,980	5,900	273	242	219	305	257	384	525	448	418	498	367	268	351	.393
1976	3,014	6,200	297	323	177	306	312	516	468	427	468	276	366	312	353	.395
1977	3,049	6,500	189	346	223	241	352	487	352	462	215	203	164	208	287	.321
1978	3,084	6,700	274	208	197	169	299	403	385	438	299	429	353	323	316	.354
1979	3,119	6,800	318	236	304	348	455	534	470	493	485	432	270	323	390	.437
1980	3,154	6,900	281	305	232	338	248	353	411	449	362	421	309	248	337	.377
AVERAGE 1978-1980	3,119	6,800	291	250	275	285	334	430	422	460	382	427	311	298	348	.390

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ acpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY TULARE

CITY CENSUS POPULATION

1970 12,6021980 20,400CITY PORTERVILLEHYDROLOGIC STUDY AREA TULARE LAKE

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER PORTERVILLEType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	3,598		31	29	33	61	81	104	169	146	120	86	50	33	943
1971	3,725		32	38	68	69	95	120	197	244	226	85	56	46	1,276
1972	3,893		34	30	75	82	105	133	171	174	163	108	54	44	1,173
1973	3,940		44	43	43	56	137	172	173	218	148	105	81	45	1,265
1974	3,987		37	54	50	56	139	198	145	202	170	103	99	49	1,302
1975	4,131		60	56	55	69	130	195	201	211	136	143	63	64	1,383
1976	4,198		70	66	62	98	148	204	216	174	172	95	72	74	1,451
1977	4,264		57	63	72	113	87	130	181	163	154	113	83	61	1,277
1978	4,670		52	55	44	58	87	198	184	200	127	115	79	64	1,263
1979	4,945		58	43	62	71	148	221	355	263	178	157	114	121	1,791
1980	5,170		76	69	71	103	143	186	219	284	210	165	121	81	1,728

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	acres ^{2/}
1970 ^{3/}	3,641	13,100	76	79	81	155	199	265	416	360	305	212	127	81	197	.221
1971	3,672	13,700	75	99	160	168	224	292	464	575	550	200	136	108	255	.286
1972	3,702	14,400	76	74	168	190	235	308	383	390	377	242	125	99	223	.250
1973	3,732	14,700	97	104	94	127	301	390	380	478	336	230	184	99	236	.264
1974	3,763	15,000	80	129	108	124	299	440	312	434	378	222	220	105	238	.267
1975	3,794	15,700	123	127	113	146	267	414	413	434	289	294	134	131	241	.270
1976	3,824	16,100	140	146	124	203	297	422	433	349	356	190	149	148	246	.276
1977	3,854	16,400	112	137	142	230	171	264	356	321	313	222	169	120	213	.239
1978	3,885	18,100	93	109	78	107	155	365	328	356	234	205	145	114	191	.214
1979	3,916	19,400	96	79	103	122	246	380	590	437	306	261	196	201	253	.283
1980	3,946	20,400	120	121	112	168	226	304	346	449	343	260	198	128	231	.259
AVERAGE	3,916	19,300	103	103	98	132	209	350	421	414	294	242	180	148	225	.252

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} acres - ACRE-Feet PER CAPITA ANNUALLY^{3/} 1970 differs from Bulletin 166-2 because it was determined that approximately 500 people were served outside of the city boundary.METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY TULARE

CITY CENSUS POPULATION

CITY TULARE1970 16,2351980 22,650HYDROLOGIC STUDY AREA TULARE LAKE

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY+ OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER TULAREType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S)-WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	5,089		56	61	100	158	228	283	315	277	196	144	99	75	1,992
1971	5,646		71	71	143	158	162	252	288	303	187	124	94	78	1,931
1972	6,203		73	89	161	163	265	265	296	245	185	131	75	99	2,047
1973			-----No Data Available-----												
1974	6,474		75	70	84	144	222	255	317	270	236	135	85	83	1,976
1975	6,610		82	75	95	138	222	269	218	241	234	124	101	106	1,905
1976	6,588		120	124	134	142	218	300	291	240	171	90	77	106	2,013
1977	6,752		82	75	85	152	116	256	238	251	186	132	87	78	1,738
1978	6,957		70	63	74	77	207	354	243	218	133	162	85	70	1,756
1979	6,801		85	67	73	123	201	223	252	228	178	103	56	70	1,659
1980	6,801		72	94	102	139	160	306	268	234	191	140	72	56	1,834

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970	2,928	14,900	121	146	216	353	494	633	682	600	438	312	221	162	366	.410
1971		15,400	149	165	300	342	339	545	603	635	405	260	203	163	344	.385
1972		16,000	147	192	325	340	534	552	597	494	385	264	156	200	350	.392
1973		16,600														
1974		16,800	144	149	161	286	426	506	609	518	468	259	169	159	322	.361
1975		17,800	149	150	172	250	402	504	395	437	438	225	189	192	293	.328
1976		18,100	214	236	239	262	389	552	519	428	315	160	142	189	304	.340
1977		18,600	142	144	147	272	201	459	413	435	333	229	156	135	256	.287
1978		19,400	116	112	123	132	344	608	404	362	229	269	146	116	248	.278
1979		20,000	137	120	118	205	324	372	406	368	297	166	93	113	227	.254
1980	3,176	21,600	108	155	152	215	239	472	400	349	295	209	111	84	232	.260
AVERAGE		20,333	120	129	131	184	302	484	403	360	274	215	117	104	326	.264

^{1/} gpcd - GALLONS PER CAPITA PER DAY
^{2/} afpc - ACRE-FOOT PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY TULARE

CITY CENSUS POPULATION

CITY VISALIA1970 27,1301980 50,850HYDROLOGIC STUDY AREA TULARE LAKE

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANYType PRIVATE COMPANY

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	9,686		120	108	168	261	412	479	552	516	367	244	152	112	3,491
1971	9,975		114	112	206	258	283	459	580	538	381	253	150	120	3,454
1972	10,358		123	139	272	322	454	529	595	543	367	234	139	132	3,849
1973	10,799		128	115	130	256	477	562	608	539	392	240	170	138	3,755
1974	11,549		134	129	161	265	488	591	643	593	475	276	163	152	4,070
1975	12,096		162	150	194	275	529	608	643	588	467	300	220	197	4,333
1976	12,778		241	196	277	314	537	578	673	540	399	275	230	210	4,470
1977	13,687		180	197	245	340	304	487	563	511	405	299	204	177	3,912
1978	14,681		169	159	187	197	463	599	667	619	346	365	224	199	4,194
1979	15,562		196	177	206	336	543	644	690	613	508	341	219	217	4,690
1980	16,297		186	172	224	328	470	600	710	653	506	410	285	224	4,768

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
1970	2,994	29,000	133	133	187	300	458	551	614	574	422	271	175	125	330	.370
1971	3,007	30,000	123	133	222	287	304	510	624	578	423	272	167	129	315	.353
1972	3,019	31,300	127	153	280	343	468	563	613	560	391	241	148	136	336	.376
1973	3,032	32,700	126	126	128	261	471	573	600	532	400	237	173	136	315	.353
1974	3,044	35,200	123	131	148	251	447	560	589	543	450	253	154	139	317	.355
1975	3,057	37,000	141	145	169	248	461	548	561	513	421	262	198	172	321	.359
1976	3,069	39,200	198	172	228	267	442	491	554	444	339	226	196	173	312	.349
1977	3,082	42,200	138	167	187	269	232	385	430	391	320	229	161	135	254	.284
1978	3,094	45,400	120	125	133	145	329	440	474	440	254	259	164	141	253	.283
1979	3,109	48,400	131	131	137	231	362	444	460	409	350	227	151	145	265	.297
1980	3,120	50,800	118	117	142	215	298	394	451	415	332	260	187	142	256	.287
AVERAGE 1978-1980	3,107	48,200	123	124	137	197	330	426	462	421	312	249	167	143	258	.289

^{1/} gpcd - GALLONS PER CAPITA PER DAY
^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION,
AND OTHER AGENCIES

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY TUOLUMNE

CITY CENSUS POPULATION

CITY SONORA1970 3,1001980 3,410HYDROLOGIC STUDY AREA SAN JOAQUIN

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER SONORAType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,626		34	29	34	34	51	56	71	69	58	50	39	39	564
1971	1,651		39	25	19	22	29	44	58	60	45	34	22	27	424
1972	1,676		29	26	32	31	44	54	67	51	48	36	30	33	481
1973	1,694		30	30	32	38	56	53	58	49	36	26	12	12	432
1974	1,697		14	10	17	11	32	62	56	59	51	34	17	14	377
1975	1,677		17	13	17	25	35	52	65	56	51	28	16	17	392
1976	1,688		20	25	27	31	55	61	73	55	50	37	12	28	474
1977	1,695		26	22	26	27	21	35	45	44	35	35	24	20	360
1978	1,725		20	18	19	19	40	53	61	60	34	40	24	32	420
1979	1,995		23	17	17	20	34	49	52	51	43	30	18	16	370
1980	2,012		20	19	20	25	32	49	62	64	51	45	31	21	439

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970	1,968	3,200	343	324	343	354	514	583	716	696	604	504	406	393	483	.541
1971	1,945	3,200	393	279	192	229	292	458	585	605	469	343	229	272	363	.407
1972	1,922	3,200	292	280	323	323	444	563	675	514	500	363	313	333	411	.460
1973	1,900	3,200	302	335	323	396	565	552	585	494	375	262	125	121	370	.414
1974	1,877	3,200	141	112	171	115	323	646	565	595	531	343	177	141	323	.362
1975	1,854	3,100	177	150	177	269	364	559	676	583	548	291	172	177	346	.388
1976	1,831	3,100	208	278	281	333	572	656	760	572	538	385	129	291	418	.468
1977	1,809	3,100	271	253	271	290	219	376	468	458	376	364	258	208	318	.356
1978	1,786	3,100	208	207	198	204	416	570	635	624	366	416	258	333	371	.416
1979	1,763	3,300	225	184	166	202	332	495	508	499	434	293	182	156	307	.344
1980	1,740	3,500	184	187	184	238	295	467	571	590	486	415	295	194	343	.384
AVERAGE 1978-1980	1,763	3,300	206	193	183	215	348	511	571	571	429	375	245	228	340	.381

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-Feet PER CAPITA ANNUALLYMETERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY VENTURA

CITY FILLMORE

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER FILLMORE

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 6,285

1980 9,425

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ X

ALL ACCOUNTS IN CITY + OUTSIDE ☐

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			21.1	20.7	10.3	40.8	49.0	49.5	62.2	63.8	57.7	55.7	41.7	22.1	494.6
1971			24.2	31.6	33.5	47.1	49.3	59.6	41.9	81.4	66.7	62.3	48.4	34.1	580.1
1972			24.2	32.4	46.1	55.9	57.6	67.6	69.5	79.3	60.4	48.0	32.6	30.2	603.8
1973			25.5	21.5	20.4	36.5	51.7	65.8	68.8	70.8	55.4	44.7	40.2	22.6	523.9
1974			20.4	26.9	24.7	39.8	49.4	59.6	71.4	70.8	68.1	46.5	33.5	28.0	539.1
1975			26.6	23.3	19.9	25.9	46.5	61.6	71.8	73.8	64.0	62.8	52.9	51.7	580.8
1976			45.9	34.9	30.3	43.9	55.9	73.4	85.2	76.8	48.1	51.4	55.5	47.8	649.1
1977			31.3	44.1	38.5	43.8	33.4	60.7	65.1	66.6	57.5	47.2	46.1	70.1	604.4
1978			26.0	25.2	31.6	30.8	66.3	72.7	74.0	71.1	54.5	53.9	35.4	29.7	571.2
1979			27.1	25.3	29.6	45.1	61.9	75.0	73.4	68.9	69.6	52.0	38.5	44.0	610.4
1980			32.1	32.6	35.5	53.9	51.1	72.9	84.5	75.7	62.2	58.9	48.8	41.1	649.3

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpc 2/
1970		6,285	108	118	53	216	251	263	319	327	306	286	221	113	216	242
1971		6,500	120	174	166	242	245	306	208	404	342	309	248	169	245	274
1972		7,226	108	155	206	258	257	312	310	354	279	214	150	135	228	255
1973		7,276	113	106	90	167	229	301	305	314	254	198	184	106	197	221
1974		7,647	86	126	104	173	208	260	301	299	297	196	146	118	193	216
1975		7,883	109	106	81	110	190	260	294	302	271	257	224	212	202	226
1976		8,689	170	139	116	168	208	282	316	285	185	191	213	177	204	228
1977		9,106	111	173	136	160	118	222	231	236	210	167	169	248	182	204
1978		9,316	90	97	109	110	230	260	256	246	195	187	127	103	168	188
1979		9,525	92	95	100	158	210	262	249	233	244	176	135	149	176	197
1980		9,625	108	117	119	187	171	252	283	254	215	197	169	138	184	206
AVERAGE 1978-1980		9,489	97	103	109	152	204	258	263	244	218	187	144	130	176	197

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY VENTURA
 CITY OJAI
 HYDROLOGIC STUDY AREA SOUTH COASTAL REGION
 WATER SUPPLIER SOUTHERN CALIFORNIA WATER COMPANY (OJAI SYSTEM)
 Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION
 1970 5,591
 1980 6,800
 SYSTEM SERVES:
 ALL ACCOUNTS IN CITY ☒
 ALL ACCOUNTS IN CITY + OUTSIDE ☐
 PARTLY IN CITY ONLY ☐
 OTHER ☐
 OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	1,960		19.6	19.0	23.7	36.3	45.2	46.9	57.1	56.1	48.8	37.8	25.3	17.6	433.4
1971	1,989		18.2	19.5	25.4	31.9	33.2	44.3	55.7	57.6	49.2	40.7	27.2	22.0	424.9
1972	2,029		19.4	22.2	36.4	39.0	44.5	47.7	58.5	56.5	43.5	34.6	22.6	21.7	446.6
1973	2,121		20.2	16.8	19.0	29.0	39.9	48.9	48.3	53.4	41.4	36.2	24.4	20.5	397.9
1974	2,152		18.3	22.5	20.6	35.3	41.1	51.4	55.4	58.0	49.6	38.2	35.6	30.6	456.6
1975	2,204		22.9	19.2	21.7	24.2	40.7	44.0	55.4	58.0	49.6	38.2	35.6	30.6	440.1
1976			36.9	24.2	30.7	34.2	49.2	60.0	62.5	58.5	36.9	32.8	33.5	33.9	493.3
1977	2,318		22.7	28.4	28.9	39.2	30.7	45.1	60.8	53.0	49.9	46.2	40.6	30.4	475.9
1978	2,406		20.9	17.9	22.2	20.9	45.2	54.0	65.4	60.7	47.2	47.7	30.0	26.1	458.2
1979	2,439		22.5	20.2	23.6	34.4	49.1	60.8	67.0	64.4	63.5	44.0	33.6	36.5	519.6
1980	2,411		24.4	23.8	29.1	43.6	40.5	60.0	73.3	69.0	56.4	56.7	45.4	34.6	556.8

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970	2.85	5,591	113	121	137	216	261	280	329	324	291	218	151	102	212	.237
1971	2.88	5,728	102	122	143	186	187	258	314	324	286	229	158	124	203	.227
1972	2.91	5,904	106	130	199	220	243	269	320	309	246	189	128	119	207	.232
1973	2.94	6,236	104	96	98	155	206	261	250	276	221	187	130	106	175	.196
1974	2.97	6,391	92	126	104	184	207	268	280	293	259	193	186	154	196	.220
1975	3.00	6,612	112	104	106	122	199	222	270	283	250	183	179	149	182	.204
1976		6,828	174	122	145	167	232	293	295	276	180	155	164	160	197	.221
1977	3.05	7,070	104	143	132	185	140	213	277	242	235	211	191	139	184	.206
1978	3.08	7,410	91	86	97	94	197	243	285	264	212	208	135	114	169	.189
1979	3.11	7,589	96	95	100	151	209	267	285	274	279	187	148	155	188	.211
1980	3.20	7,713	102	106	122	188	169	259	307	289	244	237	196	145	197	.221
AVERAGE 1978-1980	3.13	7,571	96	96	106	144	192	256	292	276	245	211	160	138	185	.207

1/ gpcd - GALLONS PER CAPITA PER DAY
 2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

METERED ☒ FLAT RATE ☐ COMBINATION ☐
 EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY VENTURA

CITY CENSUS POPULATION

CITY OXNARD1970 71,2251980 106,600HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER OXNARDType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970	15,935		247.8	243.6	284.3	408.5	462.3	395.4	404.8	423.7	491.3	450.5	368.8	262.1	4,443.1
1971	16,544		234.2	231.8	314.9	332.1	363.0	345.7	349.9	459.4	443.4	445.3	353.3	270.1	4,143.1
1972	17,408		296.6	295.1	377.5	433.7	447.8	440.1	462.1	511.9	476.3	433.7	346.4	324.0	4,845.2
1973	17,995		288.6	220.0	300.3	424.7	446.8	466.8	450.8	440.8	441.2	435.2	334.5	299.6	4,549.3
1974	18,416		298.6	307.2	326.8	430.7	501.6	492.4	501.0	481.8	463.0	431.1	388.8	342.4	4,965.4
1975	18,998		373.0	313.7	341.1	385.4	470.3	463.0	514.8	518.9	525.5	527.9	473.4	440.1	5,347.1
1976	21,619		475.6	362.0	413.2	434.7	523.1	593.2	558.5	539.0	484.9	472.4	445.0	453.7	5,755.3
1977	21,765		400.1	397.0	416.2	466.0	467.2	500.2	536.0	543.3	555.8	527.3	487.0	415.1	5,711.2
1978	22,033		403.0	368.1	407.1	405.8	540.1	559.7	567.2	590.1	570.0	512.2	436.2	428.4	5,787.9
1979	22,276		412.6	364.2	415.9	468.9	548.5	548.7	474.2	608.3	590.9	470.2	423.8	442.8	5,773.0
1980	23,292		395.0	372.7	417.2	476.3	497.6	561.6	552.2	579.2	521.6	516.7	469.6	421.1	5,780.8

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	afpcd 2/
1970	4.47	71,154	112	122	129	191	210	185	184	192	230	204	173	119	171	.192
1971	4.87	80,510	94	103	126	137	145	143	140	184	184	178	146	108	141	.158
1972	4.69	81,658	117	125	149	177	177	180	183	202	194	171	141	128	162	.181
1973	4.60	82,807	112	95	117	171	174	188	176	172	178	170	135	117	151	.169
1974	4.61	84,958	113	129	124	169	190	193	190	183	182	164	153	130	160	.179
1975	4.48	85,104	141	132	129	151	178	181	195	197	206	200	185	167	172	.193
1976	4.21	91,123	168	137	146	159	185	217	198	191	177	167	163	161	173	.194
1977	4.53	98,600	131	144	136	158	153	169	175	178	188	173	165	136	159	.178
1978	4.62	101,712	128	129	129	133	171	183	180	187	187	162	143	136	156	.175
1979	4.63	103,227	129	127	130	151	171	177	148	190	190	147	136	138	153	.171
1980	4.65	108,195	118	119	125	147	149	174	165	173	161	154	145	126	146	.164
AVERAGE 1979-1980	4.63	104,378	125	125	128	144	164	178	164	183	179	154	141	133	152	.170

1/ gpcd - GALLONS PER CAPITA PER DAY
 2/ afpcd - ACRE-Feet PER CAPITA ANNUALLY

* METERED ☒ FLAT RATE ☐ COMBINATION ☐
 EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY VENTURA

CITY PORT HUENEME

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER PORT HUENEME

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 14,295

1980 17,803

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	3,350														917.8
1972	3,480														954.7
1973	3,690														978.6
1974	4,009														1,020.6
1975	4,027														1,058.9
1976	4,075		85.3	64.2	75.0	83.7	109.8	91.0	122.3	122.6	77.7	79.3	82.7	80.1	1,073.7
1977	4,080		68.3	56.4	74.1	76.4	73.5	80.7	83.0	101.8	79.5	91.3	73.1	53.4	911.5
1978	4,230		76.0	56.0	55.0	40.0	130.0	91.0	123.0	95.0	84.0	98.0	61.0	61.0	970.0
1979	4,245		72.0	47.0	63.0	77.0	88.0	127.0	131.2	76.0	124.3	100.5	51.6	04.7	1,062.3
1980	4,255		62.9	70.6	47.2	67.2	68.7	102.4	93.2	99.0	123.5	87.3	105.5	61.2	968.7

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpc ^{2/}
1970																
1971	4.56	15,273													165	184
1972	4.82	16,779													155	175
1973	4.71	17,391													154	173
1974	4.32	17,305													162	181
1975	4.34	17,468													166	186
1976	4.33	17,650	156	125	137	158	201	172	224	224	147	145	156	146	166	187
1977	4.24	17,280	128	117	138	147	137	156	155	190	153	170	141	100	145	162
1978	4.41	18,645	132	107	95	72	225	163	213	164	150	170	109	106	143	160
1979	4.29	18,224	127	92	112	141	156	232	232	135	227	178	94	185	160	179
1980	4.18	17,803	78	137	86	126	124	192	169	179	231	158	198	111	149	167
AVERAGE 1978-1980	4.29	18,224	112	112	98	113	168	196	205	159	203	169	134	134	151	169

^{1/} gpcd - GALLONS PER CAPITA PER DAY

^{2/} afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY VENTURA

CITY SAN BUENAVENTURA

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER SAN BUENAVENTURA

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 57,964

1980 74,474

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			455.5	420.4	470.3	613.0	623.7	577.4	651.6	629.3	639.2	554.3	475.6	445.0	6,555.3
1971			417.0	415.0	487.5	546.8	550.9	622.2	661.0	657.2	604.4	590.2	530.2	480.2	6,562.6
1972			390.4	408.4	552.9	524.5	631.7	666.3	695.2	740.7	600.3	588.6	441.3	451.9	6,692.2
1973			407.2	399.4	449.4	562.2	563.7	595.4	634.5	578.3	528.9	521.5	426.2	388.7	6,055.4
1974			355.7	413.9	417.1	489.7	519.3	582.3	656.6	548.9	539.6	501.5	477.7	425.9	5,928.2
1975			490.4	370.7	384.4	433.1	564.6	604.4	651.2	646.2	632.4	581.4	563.9	548.3	6,471.0
1976	21,144		599.9	457.8	520.2	528.2	658.8	699.4	677.2	678.3	498.9	486.1	520.1	541.3	6,866.2
1977	21,905		405.7	414.6	461.9	507.8	470.1	528.0	610.5	538.6	525.6	508.8	510.8	405.0	5,932.4
1978	22,060		361.2	334.2	283.9	370.5	558.6	608.6	642.8	618.1	558.8	531.0	400.5	412.3	5,680.5
1979	22,625		371.4	331.0	399.9	455.8	601.0	609.4	659.6	653.0	645.1	508.6	489.5	542.7	6,267.9
1980	22,658		453.3	422.0	471.3	582.8	617.1	702.6	726.8	717.5	619.2	662.6	584.1	567.4	7,126.7

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970		68,694	214	219	221	297	293	280	306	296	310	260	231	209	261	.292
1971		69,971	192	212	225	260	254	296	305	303	298	272	253	221	257	.288
1972		72,328	174	195	247	242	282	307	310	330	277	263	203	202	253	.283
1973		74,765	176	191	194	251	243	265	274	250	236	225	190	168	222	.249
1974		76,601	150	193	176	213	219	253	277	231	235	211	208	179	212	.237
1975		78,585	201	168	158	184	232	256	267	265	268	239	239	225	226	.253
1976	3.76	79,430	244	199	211	222	268	294	275	275	209	197	218	220	236	.264
1977	3.67	80,420	163	184	185	210	189	219	245	216	218	204	212	181	202	.226
1978	3.70	81,640	143	146	112	151	221	248	254	244	228	210	164	163	191	.214
1979	3.71	83,850	143	141	154	181	231	242	254	251	256	196	195	209	205	.230
1980	3.78	85,609	171	170	178	227	233	274	274	270	241	250	227	214	227	.254
AVERAGE 1976-1980	3.73	83,700	152	152	148	186	228	255	261	255	242	219	195	195	208	.233

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)
WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY VENTURA

CITY SANTA PAULA

HYDROLOGIC STUDY AREA SOUTH COASTAL REGION

WATER SUPPLIER SANTA PAULA WATER WORKS LIMITED

Type COMMERCIAL WATER COMPANY

CITY CENSUS POPULATION

1970 18,001

1980 20,552

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒

PARTLY IN CITY ONLY ☐

OTHER _____

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY: _____

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970			3/												1,330.0
1971	5,127		64.0	73.6	92.8	102.2	103.7	123.5	143.3	147.3	122.3	119.6	89.9	73.2	1,225.4
1972	5,169		70.0	83.7	108.0	120.9	135.7	140.9	156.9	153.0	127.0	106.9	74.0	79.0	1,356.0
1973	5,241		70.4	50.3	68.5	103.7	118.4	147.0	148.0	145.1	125.9	120.9	89.9	82.6	1,270.7
1974	5,300		70.3	85.8	74.0	114.1	134.0	149.2	164.4	149.9	131.8	100.4	101.6	76.4	1,351.9
1975	5,359		88.6	72.4	80.3	90.7	133.6	134.4	161.6	161.5	139.6	127.5	125.3	114.5	1,430.0
1976	5,460		130.5	86.8	160.0	114.8	143.1	166.2	165.3	167.6	108.2	117.8	120.2	121.9	1,602.4
1977	5,584		99.9	119.9	123.8	136.6	122.1	150.5	187.1	148.2	144.3	141.3	140.6	107.2	1,621.5
1978	5,641		69.1	69.4	82.8	77.2	140.8	157.1	173.7	160.3	133.6	127.4	93.8	83.7	1,368.9
1979	5,733		110.8	65.8	78.2	104.6	151.8	161.6	167.5	159.7	164.2	123.5	100.7	115.4	1,503.8
1980	5,858		75.9	70.4	84.7	122.5	120.6	161.0	185.7	174.0	140.4	141.7	128.0	107.8	1,512.7

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/												gpcd 1/	atpcd 2/
1970		18,961													192	.215
1971	3.68	18,850	110	139	159	181	177	218	245	252	216	205	159	125	182	.204
1972	3.44	17,790	126	160	194	224	243	261	281	274	235	192	137	142	206	.231
1973	3.42	17,950	127	100	123	193	213	273	266	261	234	217	167	148	194	.217
1974	3.56	18,850	120	163	127	202	229	264	281	257	233	172	180	131	196	.220
1975	3.67	19,680	145	131	132	154	219	228	265	265	236	209	212	188	199	.223
1976	3.63	19,800	213	151	261	193	233	280	269	273	182	192	202	199	221	.248
1977	3.56	19,900	162	215	201	229	198	252	303	240	242	229	236	174	223	.250
1978	3.68	20,750	107	119	129	124	219	252	270	249	215	198	151	130	181	.202
1979	3.71	21,250	168	111	119	164	230	253	254	242	258	187	158	175	194	.217
1980	3.70	21,652	113	112	126	189	180	248	277	259	216	211	197	161	191	.214
AVERAGE 1979-1980	3.70	21,217	129	114	125	159	210	251	267	250	230	199	169	155	189	.212

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ atpcd - ACRE-Feet PER CAPITA ANNUALLY

3/ DATA NOT AVAILABLE

METERED ☐ FLAT RATE ☐ COMBINATION ☒

* EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY YOLO

CITY CENSUS POPULATION

1970 23,4861980 26,640CITY DAVIS

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐ALL ACCOUNTS IN CITY + OUTSIDE ☒PARTLY IN CITY ONLY ☐OTHER ☐HYDROLOGIC STUDY AREA SACRAMENTOWATER SUPPLIER DAVISType MUNICIPAL WATER DEPARTMENT

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	5,022	4,876	84	90	119	158	188	276	303	292	247	185	133	97	2,172
1972	5,961	5,807	101	100	166	180	259	295	331	318	248	134	90	89	2,311
1973	5,843	5,676	71	92	98	196	290	321	361	334	247	173	108	97	2,358
1974	6,529	6,354	146	103	114	145	294	323	321	334	285	233	121	112	2,531
1975	6,721	6,518	119	100	115	179	321	359	350	335	292	184	137	129	2,620
1976	6,937	6,732	158	157	194	227	342	351	357	285	225	224	150	159	2,829
1977	7,355	7,106	131	124	136	203	187	286	315	302	224	211	138	104	2,361
1978	8,139	7,868	111	99	114	133	286	350	366	357	271	259	157	125	2,628
1979	8,317	8,063	125	109	127	133	292	392	388	364	319	183	130	125	2,687
1980	8,569	8,308	122	119	143	206	292	349	378	369	286	256	188	137	2,845

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULA- TION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) 1/													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd 1/	afpc 2/
1970																
1971	5.05	25,361	107	127	151	208	239	363	385	371	325	235	175	123	235	.263
1972	5.01	29,865	109	115	179	201	280	329	358	343	277	145	100	96	211	.236
1973	4.97	29,040	79	113	109	225	322	368	401	338	284	192	124	108	222	.249
1974	4.93	32,188	146	114	114	150	295	334	322	335	295	234	125	112	215	.241
1975	4.89	32,866	117	109	113	182	315	364	344	329	296	181	139	127	218	.244
1976	4.79	33,228	153	163	188	228	332	352	347	277	226	217	150	154	233	.261
1977	4.69	34,495	123	128	127	196	175	276	295	282	216	197	133	97	188	.211
1978	4.60	37,439	96	94	98	118	246	312	315	308	241	223	140	108	192	.215
1979	4.50	37,426	108	104	109	118	252	349	334	314	284	158	116	100	197	.221
1980	4.40	37,704	104	109	122	182	250	309	323	316	253	219	166	117	206	.231
AVERAGE 1970-1980	4.50	37,523	103	102	110	139	249	323	324	313	259	200	141	108	198	.222

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpc - ACRE-Feet PER CAPITA ANNUALLY

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY YOLO

CITY WOODLAND

HYDROLOGIC STUDY AREA SACRAMENTO

WATER SUPPLIER WOODLAND

Type MUNICIPAL WATER DEPARTMENT

CITY CENSUS POPULATION

1970 20,677

1980 30,235

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☐

ALL ACCOUNTS IN CITY + OUTSIDE ☒ A

PARTLY IN CITY ONLY ☐

OTHER ☐

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	5,725	5,719	109	77	110	154	213	229	364	425	391	336	252	154	2,814
1972	6,055	6,044	121	123	112	204	216	331	371	385	356	280	151	124	2,774
1973	6,446	6,418	213	118	100	118	209	335	396	428	382	338	204	159	3,000
1974	6,681	6,640	119	117	111	126	166	298	376	373	411	326	269	132	2,824
1975	7,062	7,024	115	127	113	131	188	368	360	447	401	289	203	139	2,881
1976	7,429	7,414	139	152	160	221	258	398	402	456	333	286	232	215	3,252
1977	7,903	7,888	158	127	133	158	245	300	323	359	332	243	206	137	2,721
1978	8,100	8,074	118	100	142	143	318	395	501	415	510	374	167	146	3,329
1979	8,754	8,729	147	116	118	144	192	312	397	449	411	372	219 ^{3/}	148	3,025
1980	8,744	8,721	150	141	139	152 ^{3/}	225	320	385	445	413	338	249	207	3,167

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}												gpcd ^{1/}	afpcd ^{2/}
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC		
1970																
1971	3.73	21,354	165	129	166	240	322	357	550	642	610	508	393	233	361	.404
1972	3.71	22,464	174	189	161	303	310	491	533	553	528	402	224	178	337	.377
1973	3.68	23,721	290	178	136	166	284	471	539	582	537	460	287	216	346	.388
1974	3.65	24,386	157	171	147	172	220	407	497	493	562	431	368	175	317	.355
1975	3.62	25,564	145	177	143	171	237	480	454	564	523	365	265	175	309	.346
1976	3.60	26,744	168	196	193	275	311	496	485	550	415	345	289	259	332	.372
1977	3.57	28,214	181	161	152	187	280	354	369	410	392	278	243	157	264	.296
1978	3.54	28,674	133	125	160	166	358	459	564	467	593	421	194	164	318	.356
1979	3.51	30,727	154	135	124	156	202	338	417	471	446	391	238 ^{3/}	155	270	.302
1980	3.48	30,429	159	160	147	170 ^{3/}	239	351	408	472	452	358	273	219	284	.318
AVERAGE 1978-1980	3.51	29,943	149	140	144	164	266	383	463	470	497	390	235	179	291	.326

1/ gpcd - GALLONS PER CAPITA PER DAY

2/ afpcd - ACRE-FEET PER CAPITA ANNUALLY

3/ Estimate

METERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

TABLE 3 (continued)

WATER PRODUCTION, POPULATION SERVED and URBAN PER CAPITA APPLIED WATER

COUNTY YUBA

CITY CENSUS POPULATION

CITY MARYSVILLE1970 2,3531980 2,898HYDROLOGIC STUDY AREA SACRAMENTO

SYSTEM SERVES:

ALL ACCOUNTS IN CITY ☒ALL ACCOUNTS IN CITY + OUTSIDE ☐PARTLY IN CITY ONLY ☐OTHER ☐WATER SUPPLIER CALIFORNIA WATER SERVICE COMPANYType COMMERCIAL WATER COMPANY

OTHER WATER SERVICE AGENCY (S) WITHIN THIS CITY:

YEAR OF RECORD	ACTIVE SERVICE CONNECTIONS *		TOTAL WATER INTO SYSTEM (million gallons)												ANNUAL
	SYSTEM	CITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
1970															
1971	3,346		44.2	41.6	50.5	63.8	79.7	121.2	154.4	151.5	113.6	73.5	50.9	43.7	988.6
1972	3,368		42.5	38.7	54.0	66.5	102.5	124.7	149.8	144.0	99.1	55.0	40.3	46.0	963.1
1973	3,385		42.3	42.8	43.9	66.4	111.5	134.1	150.6	139.4	100.3	60.4	40.3	39.1	971.1
1974	3,409		38.7	34.5	39.1	47.2	99.4	123.0	126.4	131.9	108.9	77.0	42.1	42.4	910.6
1975	3,445		43.2	38.4	42.2	47.7	101.0	126.4	139.8	124.8	108.2	58.1	42.2	41.6	913.6
1976	3,479		43.7	39.7	52.6	65.2	112.4	124.7	139.9	104.9	91.4	74.3	53.3	51.1	953.2
1977	3,448		40.8	35.7	40.8	61.7	57.2	101.7	109.9	103.5	71.2	60.6	42.3	38.2	763.6
1978	3,449		38.9	35.2	39.9	4.08	87.0	111.7	127.3	126.5	82.1	80.6	51.1	43.0	864.1
1979	3,517		42.2	37.5	44.6	49.4	84.9	119.8	130.6	125.5	103.4	66.4	45.9	45.9	896.1
1980	3,586		44.7	43.0	49.6	65.8	92.6	109.6	132.4	119.7	96.8	73.8	55.8	46.5	930.3

YEAR OF RECORD	PERSONS PER CONNECTION	ESTIMATED AVERAGE POPULATION SERVED	PER CAPITA WATER USE												ANNUALLY	
			MONTHLY (gpcd) ^{1/}													
			JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	gpcd ^{1/}	afpcd ^{2/}
1970																
1971	2.78	9,302	153	160	175	229	276	434	535	525	407	255	182	152	291	.326
1972	2.75	9,262	148	144	188	239	357	449	522	502	357	192	145	160	284	.318
1973	2.73	9,241	148	165	153	240	389	484	526	487	362	211	145	136	288	.323
1974	2.71	9,238	135	133	137	170	347	444	441	461	393	269	152	148	270	.302
1975	2.69	9,254	151	148	147	172	352	455	487	435	390	203	152	145	270	.302
1976	2.70	9,393	150	146	181	231	386	443	480	460	324	255	189	175	277	.310
1977	2.72	9,379	140	136	140	219	197	361	378	356	253	208	150	131	223	.250
1978	2.74	9,450	133	133	136	144	297	394	435	432	290	275	180	147	251	.281
1979	2.75	9,672	141	138	149	170	283	413	436	419	356	221	158	153	254	.284
1980	2.77	9,938	145	149	161	221	301	368	430	389	325	240	187	151	256	.287
AVERAGE 1970-1980	2.75	9,687	140	140	149	178	294	392	434	413	324	245	175	150	254	.284

^{1/} gpcd - GALLONS PER CAPITA PER DAY^{2/} afpcd - ACRE-FEET PER CAPITA ANNUALLYMETERED ☐ FLAT RATE ☐ COMBINATION ☒

EXCLUDES SERVICES FOR: AGRICULTURE, HYDRANTS AND FIRE PROTECTION, AND OTHER AGENCIES.

Table 4. Annual Per-Capita Use of Water
(in gallons)

HSA	Water Supplier 1/	Period 2/ F C	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
			-51	-52	-53	-54	-55	-56	-57	-58	-59	-60	-61	-62	-63
NC	Arcata MWD	C	75	77	88	93	89	75	107	83	99	100	-	-	-
	Eureka MWD	C	92	98	89	93	93	112	109	105	112	127	-	-	-
	(1963-66, HCSD)														
	Ferndale WCWC	C	137	137	128	128	134	138	137	142	135	127	-	-	-
	Fortuna MWD	C	77	-	-	-	-	-	-	-	-	-	-	-	-
SF	Willits PG&E	C	207	197	162	180	177	139	127	103	103	106	-	-	-
	East Bay MUD	F	126	126	126	127	130	133	133	154	156	157	-	-	-
		C	-	-	-	-	-	-	-	-	-	-	157	161	161
	Marin MWD	C	126	139	148	142	140	135	146	143	149	150	139	149	160
	San Francisco MWD	C	101	101	109	111	119	114	112	112	119	125	124	125	118
CC	San Jose WW	C	101	111	115	121	126	129	128	132	142	162	148	155	156
	Arroyo Grande MWD	F/C	-	-	-	-	195	232	233	227	275	262	150	170	155
	Atascadero MWC	F/C	227	202	190	185	184	182	170	166	207	190	224	203	202
	Lompoc MWD	C	133	139	144	152	138	134	134	136	152	157	127	134	132
	Paso Robles MWD	F/C	289	289	286	257	248	260	279	280	279	287	271	276	267
LA, SA, & SD	San Luis Obispo MWD	F/C	205	180	190	190	170	167	158	150	165	166	159	175	171
	Santa Barbara MWD	C	118	127	138	170	145	157	151	154	150	171	168	184	173
	Santa Cruz MWD	F	160	158	155	155	161	172	158	165	188	175	179	181	170
	Santa Maria MWD	C	158	148	174	195	176	178	186	182	183	190	166	202	194
	Alhambra MWD	F/C	135	130	140	149	148	149	150	145	156	158	158	162	153
LA, SA, & SD	Anaheim MWD	F/C	189	174	164	128	148	133	127	132	156	151	156	168	170
	Beaumont ID	C	177	175	146	155	146	139	141	109	149	153	-	432	337
	Beverly Hills MWD	F/C	219	237	240	233	239	242	272	274	282	330	-	281	-
	Burbank MWD	F/C	186	200	225	234	229	229	233	223	243	245	244	251	248
	Claremont SCWC	F/C	236	223	272	295	280	297	315	286	266	349	277	284	284
LA, SA, & SD	Compton MWD	F	73	73	79	88	83	86	86	88	96	96	99	96	96
	Fillmore MWD	F/C	162	145	166	166	189	184	190	189	215	209	-	208	186
	Fullerton MWD	F/C	225	218	205	250	258	232	242	221	251	232	229	254	231
	Glendale MWD	F	170	146	161	170	176	184	196	171	174	178	192	188	169
	Hemet MWD	F/C	-	-	-	-	-	-	286	234	225	236	-	269	276
LA, SA, & SD	Long Beach MWD	F/C	121	120	124	114	113	114	118	111	125	137	133	137	131
	Los Angeles WP														
	(City Proper & Harbor)	C	138	144	147	160	156	155	162	157	158	167	160	164	156
	Los Angeles WP														
	(San Fernando Valley)	C	179	212	196	241	188	184	204	186	204	220	212	214	201
LA, SA, & SD	Monterey Park MWD	F/C	136	131	144	144	130	138	117	139	152	151	-	-	139
	Oceanside MWD	F	138	114	123	144	142	150	146	135	153	146	184	163	175
	Ojai SCWC	F/C	156	152	163	155	148	148	158	144	150	161	213	209	182
	Ontario MWD	F/C	226	204	222	208	222	191	233	198	227	226	219	231	208
	Orange MWD	F/C	164	151	266	158	154	174	165	164	192	187	197	196	169
LA, SA, & SD	Oxnard MWD	F/C	166	164	164	166	158	149	156	146	149	161	156	153	139
	Pasadena MWD	F/C	205	204	225	231	224	228	234	225	253	255	217	226	208
	Pomona MWD	F/C	187	196	177	162	175	183	187	178	211	203	209	227	213
	Port Hueneme MWD	F	125	97	98	92	105	94	127	144	166	153	137	140	154
	Riverside MWD	F/C	212	194	202	206	219	220	230	218	244	246	231	248	236
LA, SA, & SD	San Bernardino MWD	F/C	225	215	218	225	216	222	214	208	227	208	215	226	222
	San Buena Ventura MWD	F/C	214	201	232	223	212	195	182	176	201	262	164	195	160
	San Diego MWD	F/C	131	109	124	125	127	125	128	118	128	126	123	127	127
	San Marino CAWC	F	299	267	286	325	288	297	318	293	341	344	364	350	326
	Santa Ana MWD	F/C	152	149	157	161	162	168	166	160	153	143	155	163	154
LA, SA, & SD	Santa Monica MWD	F/C	136	138	145	145	138	137	149	151	162	160	153	151	151
	Santa Paula WW	F/C	155	134	159	142	136	149	149	150	155	137	157	179	163
	Saticoy WC	F	158	148	196	181	167	180	164	147	171	141	190	164	119
	Torrance MWD	F/C	171	174	166	222	147	148	153	147	149	140	209	219	218
	South Bay Area CAWC 3/	F/C	90	77	89	95	95	97	98	91	97	97	109	112	105
SB	Chico CWSC	C	-	-	-	-	-	-	-	-	-	-	344	341	337
	Sacramento MWD	C	247	251	242	237	238	236	256	260	267	275	263	264	259
SJB	Merced MWD	C	272	268	253	267	262	270	266	275	285	312	320	328	317
TB	Bakersfield CWSC	C	299	302	287	297	312	303	304	304	308	349	335	346	330
	Fresno MWD	C	348	341	317	315	322	307	329	317	349	374	356	353	340
	Hanford MWD	C	269	238	247	245	243	246	248	249	237	279	281	285	270
	Visalia CWSC	C	274	271	265	270	274	258	261	273	296	289	288	281	272

1/ MUD - Municipal Utility District
MWD - Municipal Water Department
(except for Marin MWD which is a Municipal Water District)
HCSD - Humboldt Community Service District
WP - Water & Power
WW - Water Works
MWC - Mutual Water Co.
WCWC - Williams Creek Water Co.
PG&E - Pacific Gas & Electric Co.
ID - Irrigation District
SCWC - Southern California Water Co.
CAWC - California-American Water Co.
WC - Water Company
CWSC - California Water Service Co.

Provided by Selected Water Suppliers, 1950-1980
per capita daily)

1963 -64	1964 -65	1965 -66	1966 -67	1967 -68	1968 -69	1969 -70	1970 -71	1971 -72	1972 -73	1973 -74	1974 -75	1975 -76	1976 -77	1977 -78	1978 -79	1979 -80	1980 -81
1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
-	115	110	109	113	108	110	115	110	116	108	116	116	112	108	124	138	141
117	126	140	142	126	127	138	135	125	127	139	135	117	131	114	128	148	154
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	95	103	95	93	91	96	104	106	104	109	92	96	91	90
-	-	-	157	173	161	170	187	184	194	211	232	230	193	125	187	220	216
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158	174	178	188	184	194	199	204	199	199	201	199	198	211	129	155	170	180
148	150	149	159	148	167	172	173	166	158	167	168	167	126	61	115	134	143
126	138	134	142	135	146	142	147	146	143	146	143	149	149	106	116	126	129
143	153	147	158	149	151	153	164	164	172	169	171	173	183	143	157	164	164
152	152	139	141	130	138	128	134	138	143	134	133	139	152	156	153	157	160
180	209	208	232	204	221	220	-	212	197	193	195	197	182	149	162	183	183
-	124	123	121	112	117	118	129	139	142	126	131	130	129	127	119	131	135
237	277	267	286	261	278	247	289	306	298	313	340	333	334	314	274	290	274
150	163	170	168	167	168	168	170	171	176	172	173	175	187	171	140	157	156
159	177	164	173	165	171	167	185	186	190	174	172	183	178	157	151	169	177
152	188	167	189	189	188	179	175	192	188	189	190	184	188	115	148	150	162
170	188	184	183	168	183	180	192	195	202	188	195	195	209	189	179	188	196
147	150	143	149	146	154	154	165	164	165	158	158	158	164	133	144	154	156
189	190	179	199	193	207	202	218	220	222	222	230	218	234	208	215	227	234
307	312	278	340	251	233	277	324	-	-	-	-	-	-	-	-	-	-
278	276	285	290	278	305	304	327	268	289	277	277	267	273	259	298	299	305
244	243	234	249	252	256	255	270	268	261	257	259	241	242	205	208	223	228
250	313	270	283	276	290	285	311	302	309	280	300	295	308	262	237	215	264
98	90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
162	178	169	185	173	169	188	216	245	228	197	193	202	204	182	168	176	184
223	254	228	246	243	253	247	262	265	263	251	274	268	281	242	246	270	269
180	168	173	170	182	173	192	184	181	181	162	163	190	188	161	152	157	162
249	240	230	230	289	221	197	217	208	191	180	173	160	169	151	131	128	132
131	138	133	143	143	159	157	165	163	165	156	159	156	166	143	153	159	162
154	159	153	158	157	164	163	173	182	185	176	177	179	188	157	160	172	180
187	199	184	192	179	190	188	210	San Fernando Valley System annexed by Los Angeles WP									
132	142	137	142	139	151	148	155	155	155	151	152	149	156	128	138	143	146
188	197	188	187	208	203	224	247	257	252	235	255	257	262	232	231	252	246
159	181	167	174	161	184	179	202	203	207	175	196	182	197	184	169	188	197
193	207	202	216	208	216	214	242	244	270	259	264	237	247	205	229	241	245
167	160	164	173	162	171	168	179	174	182	171	182	194	224	207	203	218	215
144	143	138	151	144	156	152	171	141	162	151	160	172	173	159	156	153	146
208	221	203	214	206	220	232	242	229	231	206	225	221	232	195	201	212	209
205	217	213	234	257	270	270	283	276	284	271	275	265	276	246	245	253	238
170	157	173	157	184	159	176	174	165	155	154	162	166	166	145	143	160	149
228	237	240	253	246	266	252	272	342	272	255	254	248	255	233	276	305	286
208	227	221	234	226	232	220	247	247	256	204	209	259	250	238	208	217	227
173	192	196	226	253	280	232	272	257	253	222	212	226	236	202	191	205	227
127	136	138	148	145	155	155	166	169	168	166	178	174	186	168	170	177	172
329	322	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153	160	155	160	153	166	161	172	180	185	187	191	186	189	167	172	183	188
153	157	157	166	162	180	168	170	176	181	171	169	163	167	142	146	159	166
155	180	182	173	168	168	175	188	182	206	194	196	199	221	223	181	194	191
127	106	92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
216	208	196	194	-	220	222	256	169	173	160	160	150	161	138	144	155	164
108	107	106	108	108	115	108	119	118	120	115	124	125	118	105	104	109	114
293	342	330	365	334	339	337	358	344	361	344	326	327	325	268	286	290	278
220	277	245	276	259	272	272	291	289	292	297	285	292	295	249	287	291	295
286	325	327	365	350	380	389	406	382	403	380	391	366	370	305	317	347	314
305	327	325	354	349	349	349	380	356	364	357	356	348	340	291	310	331	315
307	336	313	335	307	307	317	342	318	332	309	307	298	291	231	250	278	277
259	281	274	298	277	295	284	314	303	313	262	269	258	240	192	203	230	218
256	277	281	312	280	298	299	330	315	336	315	317	321	312	254	253	265	256

2/ F - Fiscal Year July 1, through June 30.

C - Calendar year

F/C - Interchangeably fiscal or calendar year

3/ - Includes the cities of National City, Chula Vista, and Imperial Beach (See Figure 2 for location).

Table 5. Monthly and Annual Weighted Average Per-Capita Use of
Water Provided by Sampled Water Suppliers, by
Hydrologic Study Area, 1978-1980 Average
(gallons per capita daily)

HSA	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Average
NC	110	111	113	127	177	217	234	227	182	157	123	116	158
SF	109	113	117	133	171	205	206	205	192	162	134	121	156
CC	104	107	109	128	163	197	200	203	188	164	140	121	152
LA,SA,SD	127	127	131	158	186	224	239	233	219	194	168	154	180
SB	135	136	143	175	282	389	426	419	348	263	187	153	255
SJ	131	131	144	195	299	370	397	411	331	240	169	141	247
TL	131	135	146	220	342	444	476	447	345	273	186	151	275
NL	116	165	166	- 1/	267	381	317	1/ 503	355	315	274	155	262
SL	130	142	162	247	302	394	456	449	374	298	231	162	279
CR	241	222	251	324	400	513	549	499	535	420	371	289	385

1/ Incomplete Data.

Table 6. Weighted Average Per-Capita Use of Water Provided by
Sampled Water Suppliers and Manufacturing
Industries' Self-Supplied Water, by County

County	Water Suppliers 1/		Industry Self-Supplied 2/		Total 3/	
	GPCD	AFPCA	GPCD	AFPCA	GPCD	AFPCA
Alameda	162	.181	7	.008	169	.189
Butte	265	.297	2	.002	267	.299
Calusa	259	.290	1	.001	260	.291
Contra Costa	151	.169	14	.016	165	.185
Del Norte	156	.175	15	.017	171	.192
El Dorado	136	.152	1	.001	137	.153
Fresno	265	.297	32	.036	297	.333
Glenn	210	.235	110	.123	320	.358
Humboldt	133	.149	25	.028	158	.177
Imperial	208	.233	18	.020	226	.253
Inya	442	.495	6	.007	448	.501
Kern	310	.347	42	.047	352	.394
Kings	217	.243	27	.030	244	.273
Lake	154	.173	0	0	154	.173
Lassen	262	.293	19	.021	281	.315
Los Angeles	172	.193	7	.008	179	.201
Madera			46	.052		
Marin	133	.149	<1	.001	134	.150
Mendocino 4/	224	.251	35	.039	259	.290
Merced	296	.332	64	.082	360	.403
Madac	313	.351	21	.024	334	.374
Monterey	138	.155	54	.060	192	.215
Napa	166	.186	5	.006	171	.192
Orange	196	.220	2	.002	198	.222
Placer	269	.301	1	.001	270	.302
Plumas	234	.262	1,530 5/	1.714	1,764	1.98
Riverside	315	.353	2	.002	317	.355
Sacramento	275	.308	17	.019	292	.327
San Benito	221	.248	57	.064	278	.311
San Bernardino	250	.280	12	.013	262	.293
San Diego	169	.289	<1	.001	170	.190
San Francisco	124	.139	2	.002	126	.141
San Joaquin	198	.222	46	.052	244	.273
San Luis Obispo	173	.194	8	.009	181	.203
San Mateo	137	.153	<1	.001	138	.155
Santa Barbara	155	.174	15	.017	170	.190
Santa Clara	180	.202	18	.020	198	.222
Santa Cruz	152	.170	19	.021	171	.192
Shasta	191	.214	150	.168	341	.382
Siskiyou	319	.357	73	.082	392	.439
Salano	197	.221	3	.003	200	.224
Sanama	153	.171	6	.007	159	.178
Stanislaus	331	.371	58	.065	389	.436
Tehama	314	.352	3	.003	317	.355
Tulare	253	.283	17	.019	270	.302
Tuolumne	340	.381	1	.001	341	.382
Ventura	175	.196	5	.006	180	.202
Yola	239	.268	47	.053	286	.320
Yuba	254	.285	3	.003	257	.288

1/ - Average 1978 through 1980 from the records of sampled water suppliers.

2/ - 1979 Data.

3/ - GPCD = gallons per capita daily;
AFPCA = acre-feet per capita daily.

4/ - Inland Cities.

5/ - High quantities for millpond dilution.

**Table 7. Percent Distribution of Water Use, by Type of Use
for Sampled Water Suppliers^{1/}**

Location	Residential	Commercial	Industrial	Governmental	Total	Population Served
San Francisco Bay						
Hydrologic Study Area						
Atherton-Woodside	85	11	0	4	100	52,363
Belmont	71	10	10	9	100	24,786
Fremont	76	9	7	8	100	203,477
Hayward	60	10	19	11	100	88,995
Los Altos	74	14	6	6	100	70,232
Milpitas	67	5	11	17	100	38,025
Oakland (EBMUD)	59	13	18	10	100	1,043,000
Palo Alto	49	15	23	13	100	53,300
San Carlos	66	14	16	4	100	25,461
San Francisco	59	27	2	12	100	678,000
San Mateo	72	22	1	5	100	81,584
South San Francisco	44	21	30	5	100	48,433
Sunnyvale	52	16	20	12	100	106,932
North Coast						
Hydrologic Study Area						
Santa Rosa	70	20	1	9	100	91,344
Central Valley Region						
Brentwood	88	10	1	1	100	4,465
Dixon	85	12	1	2	100	7,688
Stockton	59	21	10	10	100	122,730
South Coastal Region						
Alhambra	88	5	6	1	100	64,615
Anaheim	65	7	25	3	100	230,497
Beverly Hills	83	12	2	3	100	39,500
Burbank	59	21	16	4	100	84,600
Escondido	97	1	1	1	100	80,200
Fullerton	58	17	24	5	100	102,100
Huntington Beach	82	10	7	1	100	173,500
Lakewood	84	14	1	1	100	60,000
Los Angeles	68	19	5	8	100	2,995,500
Manhattan Beach	92	4	0	4	100	32,000
Oceanside	73	20	4	3	100	76,700
Ontario	73	7	15	5	100	86,400
San Bernardino	68	18	3	11	100	102,325
San Diego	63	24	5	8	100	875,400
San Luis Obispo	75	18	3	4	100	34,308
Santa Barbara	83	14	2	1	100	73,325
Santa Maria	67	17	15	1	100	39,685
South Bay	76	13	4	7	100	248,030
Thousand Oaks	85	11	3	1	100	31,600
Ventura	61	16	21	2	100	85,609
South Lohontan and Colorado						
River Hydrologic Study Areas						
Desert Water Agency	75	18	1	6	100	46,180
El Centro	64	31	1	4	100	23,996
Ridgecrest	87	9	0	4	100	15,930
Victor Valley	74	20	1	5	100	16,895

^{1/} Samples represent 35% of State Population in 1980

Table 8. Approximate Average Cost of Water to Users, by County, 1980
(Dollars per Acre-foot) ^{1/}

County	Service Area	Average Cost of Water to User	County	Service Area	Average Cost of Water to User
Alameda	Hayward	288	Los Angeles	Alhambra	131
	Livermore ^{2/}	334		Arcadia	143
	Livermore ^{2/}	342		Azusa	169
	Oakland	244		Beverly Hills	287
	Pleasanton	190		Burbank	234
Amador	Plymouth	291		Cerritos	187
Butte	Biggs	63		Commerce	209
	Chico	107		Compton	242
	Gridley	98		Covina	176
	Oroville	161		Dawney	142
	Paradise	115		East Los Angeles	274
Colusa	Colusa	101		El Monte	125
	Williams	202		El Segundo	163
Contra Costa	Antioch	197		Glendale	293
	Brentwood	212		Glendora	222
	Concord	341		Hawthorne	241
	Dublin-San Ramon	403		Hermosa Redondo	288
	Martinez	384		Huntington Park	198
	Pittsburg	222		Industry	141
Del Norte	Crescent City	246		Inglewood	385
El Dorado	Placerville	289		Lakewood	197
	South Tahoe	319		La Verne	348
Fresno	Clavis	103		Long Beach	232
	Coalinga	181		Los Angeles	198
	Firebaugh	51		Lynwood	160
	Fresno	72		Manhattan Beach	302
	Huron	152		Monrovia	216
	Mendota	114		Montebello	218
	Reedley	35		Monterey Park	202
	Sanger	99		Newhall	298
	Selma	120		Norwalk	193
Glenn	Orland	143		Palmdale	169
	Willows	188		Palos Verdes Estates	418
Humboldt	Arcata	266		Paramont	66
	Eureka	284		Pasadena	203
	Fortuna	220		Pico Rivera	209
	Humboldt	201		Pomana	184
Imperial	Brawley	88		Santa Fe Springs	174
	Calexico	143		Santa Monica	223
	El Centro	184		Sierra Madre	215
	Holtville	168		Signal Hill	199
	Imperial	87		South Gate	150
	Westmoreland	99		South Pasadena	209
Inyo	Bishop	1		Torrance	184
Kern	Arvin	201		Vernon	136
	Bakersfield ^{4/}	136		West Covina	332
	Bakersfield ^{5/}	144		Whittier	182
	California City	58	Madera	Madera	109
	Delano	117	Morin	Inverness	1,173
	Shafter	83		San Rafael	506
	Tehachapi-Cummings	209		Stinson Beach	1,082
Kings	Avenal	372	Mariposa	Mariposa	58
	Carcaran	141	Mendocino	Ukiah	176
	Hanford	129	Merced	Atwater	40
	Lemoore	150		Das Palas	179
Lake	Lakeport	98		Gustine	125
				Los Banos	124
				Merced	74

Table 8. Approximate Average Cost of Water to Users, by County, 1980 (Continued)
(Dollars per Acre-foot) $\frac{1}{2}$

County	Service Area	Average Cost of Water to User	County	Service Area	Average Cost of Water to User
Madac	Alturas	143	San Benito	Hallister	124
	Cedarville	193		San Juan Bautista	180
Maricopa	Bridgeport	153	San Bernardino	Adelanto	203
Monterey	Gonzales	277		China	191
	King City	213		Colton	124
	Marina	270		Cucamonga	259
	Salinas	188		Loma Linda	203
	Seaside	484		Needles	87
	Soledad	126		Ontario	190
Napa	Calistoga	411		Redlands	131
	Napa	339		Rialto	306
	St. Helena	227		San Bernardino	160
	Yountville	229		Twentynine Palms	254
Nevada	Grass Valley	561		Upland	135
	Nevada City	313		Victorville	144
Orange	Anaheim	501		Yucaipa	249
	Brea	145	San Diego	Carlsbad	306
	Buena Park	148		Del Mar	306
	Fountain Valley	176		Escondido	203
	Fullerton	156		Fallbrook	232
	Garden Grove	157		Oceanside	339
	Huntington Beach	190		Olivehain	362
	La Habra	187		Otay	499
	La Palma	180		Poway	186
	Newport Beach	240		San Diego	203
	Orange	217		San Diegoito	387
	San Clemente	277		Santa Fe	281
	Santa Ana	180		Sweetwater	393
	Seal Beach	174	San Francisco	City & County	232
	Tustin	125	San Jacquin	Lodi	96
	Westminister	160		Manteca	93
Placer	Roseville	115		Ripon	119
	North Tahoe	312		Stockton $\frac{6}{7}$	200
Plumas	Portola	178		Stockton $\frac{7}{7}$	302
Riverside	Banning	128		Tracy	183
	Blythe	125	San Luis Obispo	Arroyo Grande	172
	Coachella	102		Cambria	573
	Corona	226		El Paso de Robles	161
	Hemet	193		Marro Bay	163
	India	96		Pismo Beach	134
	Lake Elsinore	427		San Luis Obispo	334
	Mesa	210	San Mateo	Bear Gulch	424
	Norco	219		Belmont	352
	Palm Springs, etc.	269		Braadmoor	259
	Perris	378		Burlingame	277
	Riverside	208		Daly City	306
	San Jacinto	164		East Pala Alto	354
Sacramento	Carmichael	51		Half Moon Bay, El Granata, etc.	479
	Citrus Heights	87		Hillsborough	331
	Fair Oaks	61		Menlo Park	240
	Folsom	35		Purissima Hills	432
	Galt	93		Redwood City	330
	Sacramento	92		San Bruno	199
				San Carlos	401
				San Mateo	325
				South San Francisco	278

Table 8. Approximate Average Cost of Water to Users, by County, 1980 (Continued)
(Dollars per Acre-foot) ^{1/}

County	Service Area	Average Cost of Water to User	County	Service Area	Average Cost of Water to User
Santa Barbara	Buelton	251	Stanislaus	Rahnert Park	93
	Galeta	235		Santa Rosa	290
	Gualalupe	182		Sebastopol	267
	Lompoc	472		Sanama	346
	Santa Barbara	288		Ceres	126
	Santa Maria	192		Denair	65
Santa Clara	Cupertino	230	Sutter	Hughson	220
	Gilroy	126		Madesta	55
	Los Altos	268		Newman	141
	Milpitas	249		Oakdale	111
	Morgan Hill	218	Tehama	Live Oak	119
	Mountain View	186		Yuba City	305
	Palo Alto	230		Corning	58
	San Jose	264		Paskenta	204
	Santa Clara	150	Trinity	Red Bluff	166
Santa Cruz	Sunnyvale	182		Weaverville	369
	San Lorenzo Valley	466	Tulare	Cutler	66
	Santa Cruz	319		Dinuba	136
	Saquel	458		Earlimant	117
Shasta	Watsonville	267		Exeter	43
	Anderson	201	Ventura	Lindsay	131
	Burney	130		Porterville	109
	Cottonwood	302		Tulare	117
Sierra	Redding	180		Visalia	116
	Loyalton	87	Yala	Fillmore	141
Siskiyou	Happy Camp	102		Oxnard	271
	Mantague	213		Port Hueneme	95
	Mt. Shasta	68		San Buenaventura	224
	Tulelake	95		Thousand Oaks	343
	Yreka	148	Yuba	Davis	92
Solano	Benicia	303		Winters	270
	Dixon	227		Woodland	56
	Napa Junction	153		Linda	184
	Rio Vista	80		Marysville	161
	Suisun	245	Does not include: Revenue from irrigation Revenue from sales for resale	Olivehurst	144
	Vacaville	210		Wheatland	104
Sanama	Vallejo	257			
	Claverdale	139			
	Catati	317			
	Forestville	519			
	Healdsburg	160			
	Petaluma	270			

^{1/} Does not include ad valorem tax, sales to other utilities, or special prices for crop irrigation water

^{2/} Livermore Municipal Water District

^{3/} California Water Service Co.

^{4/} Bakersfield Municipal Water Department

^{5/} California Water Service Company

^{6/} Stockton Municipal Water Department

^{7/} California Water Service Company

Table 9. Sampled Manufacturing Industries' Water Conservation, 1979^{1/}

SIC ^{2/}	Reported intake (Mg) ^{3/}	Reported percent reduction in water intake due to conservation	Calculated water intake without water conservation (Mg)	Calculated reduction in water intake (Mg)	Reported water intake of plants not practicing conservation (Mg)	Total reported water intake (Mg)	Estimated total water intake without conservation (Mg)	Estimated Percent reduction in total water intake due to conservation for reporting plants (Mg)
20	35,147	21	44,490	9,343	12,903	48,050	57,393	16.2
21	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0
23	0	0	0	0	2	2	2	0
24	11,552	13	13,278	1,726	1,919	13,471	15,197	11.4
25	82	19	101	19	30	112	131	14.5
26	21,822	22	27,977	6,155	10,496	32,318	38,473	15.9
27	10	16	12	2	35	45	47	4.3
28	8,085	20	10,081	1,996	3,598	11,683	13,679	14.6
29	24,091	16	28,680	4,589	500	24,591	29,180	15.7
30	1,054	32	1,550	496	751	1,805	2,301	21.6
31	110	18	134	24	120	230	154	15.6
32	4,496	48	8,646	4,150	3,817	8,313	12,463	33.3
33	4,040	21	5,114	1,074	1,964	6,004	7,078	15.2
34	2,428	18	2,961	533	701	3,129	3,662	14.6
35	1,188	18	1,449	261	1,550	2,738	2,999	8.7
36	3,611	24	4,751	1,140	600	4,211	5,351	21.3
37	4,207	15	4,949	742	659	4,866	5,608	13.2
38	682	22	874	192	130	812	1,004	19.1
39	142	29	200	58	57	199	257	22.6

^{1/} Data obtained from a survey of manufacturing industries conducted in 1980. For a discussion of the survey, see DWR Bulletin 124-3, *Water Use by Manufacturing Industries in California, 1979*, May 1982.

^{2/} Standard Industrial Classification code.

^{3/} million gallons.

Table 10. Sampling of Multiple-Unit Residential Water Use

Location	Sample Size 1/		Dwelling Units per Structure (Average)	Water Use by Year (gallons per unit per day)										Average 3/
	Number of Structures 2/	Number of Units		1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	
Los Angeles														
Metropolitan Area														
West Los Angeles	3	735	245			179	189	201	186	190				186
Westwood	6	411	69			334	368	379	253	237				313
Van Nuys	6	298	50			128	122	137	108	124				125
Westchester	11	202	18			112	117	125	112	109				113
Palms	6	69	12			183	198	191	176	175				185
Wilshire	15	1,215	81			95	81	88	114	125				100
Hollywood	3	304	101			157	159	162	156	156				157
Elysian Park	10	85	9			339	420	367	339	306				355
Highland Park	12	130	11			173	172	171	160	166				170
Baldwin Hills	18	467	26			171	175	180	185	182				176
San Pedro	28	293	10			180	174	194	164	162				172
Harbor City	5	58	12			187	176	158	144	174				179
Boyle Heights	5	434	87			166	173	172	155	168				169
Totals	128	4,701												
San Francisco Bay Area														
East Bay Municipal Utilities District (east of Oakland)	44	741	17	169	159	150	161	161	112	128	130			146
East Bay Municipal Utilities District (west of Oakland hills)	19	374	20	134	129	122	128	134	88	106	116			120
San Francisco	61	2,237	37								135	144		141
San Jose	360	4,660 4/	13	203	218	251	205	197	211	144				214
Totals	484	8,012												
Central Valley Area														
Bakersfield	8	861	108				192*							192
Fresno	10	1,712	171				111*							111
Modesto	11	750	68				163*							163
Totals	29	3,323												
California Water Company Systems														
Bear Gulch 5/	6/	1,139	NA	195	185	194	136	153	162	162	166			169
Dixon	6/	69	NA	379	221	205	208	283	366	365	521			319
Livermore	6/	1,307	NA	170	164	177	149	167	189	191	197			176
Las Altas	6/	2,005	NA	240	208	229	154	170	180	191	197			198
Marysville	6/	739	NA	179	196	218	174	191	202	208	215			198
Oroville	6/	249	NA	169	155	174	156	145	156	165	168			161
San Carlos	6/	1,406	NA	137	156	157	111	130	135	148	154			141
San Mateo	6/	8,163	NA	179	186	190	144	153	166	164	169			169
South San Francisco	6/	1,704	NA	169	162	156	123	130	144	138	136			145
Stockton	6/	5,724	NA	169	165	168	152	161	165	174	196			169
Totals		22,505												

^{1/} Average for study period.^{2/} A single apartment complex may consist of one, or several individually metered structures.^{3/} Weighted by the number of dwelling units.^{4/} Total units studied, but not all during any one year.^{5/} Includes Broadmoor, Colma.^{6/} Data not available.

* Data are for FY 1975/76.

Table 11. Sampling of Water Use in Office Buildings
1974-1978 average

Area Sampled	Monthly Gallons per Square Foot of Occupied Space and Percent of Annual Use												Average
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Downtown San Diego													
Gallons/Square-foot	2.73	2.82	2.78	2.96	2.85	3.13	3.14	3.27	3.92	3.18	3.48	3.03	3.11
Percent of Annual	7.32	7.55	7.46	7.94	7.64	8.40	8.41	8.77	10.52	8.53	9.33	8.13	
Mission Valley ^{1/}													
Gallons/Square-foot	3.38	3.25	3.09	3.53	3.64	3.86	4.72	4.77	5.58	5.49	4.78	4.45	4.21
Percent of Annual	6.68	6.43	6.11	6.98	7.20	7.65	9.34	9.44	11.04	10.87	9.46	8.80	

^{1/} Mission Valley is located in San Diego County

Table 12. Recreation Water Use at Selected State Park
Overnight Campground Facilities

State Park Name	Study Period					Total Visitation					Water Use, GPCD ^{1/}				
	1972	1973	1974	1975	1976	1972	1973	1974	1975	1976	1972	1973	1974	1975	1976
Castle Crags - "Upper Campground"	6/21-9/4	5/25-9/3	6/18-9/2	6/21-8/31	5/30-9/1	9,340	11,349	9,783	7,444	7,988	28.8	23.5	23.2	28.0	36.6
McArthur-Burney Falls "Pioneer Camp"	5/26-29 6/12-9/12	5/25-28 6/15-9/15	5/24-9/9	6/1-8/16	6/25-9/6	19,646	19,565	19,452	19,560	14,009	39.8	16.8 ^{2/}	33.3	27.7	33.8
Del Norte Coast Redwoods - "Mill Creek Campground"	7/30-8/14	7/1/-9/4	---	7/11-8/31	6/21-9/22	7,674	31,609	---	24,844	34,408	30.4	28.7	<u>3/</u>	<u>4/</u>	22.8

^{1/} Gallons per capita per day.

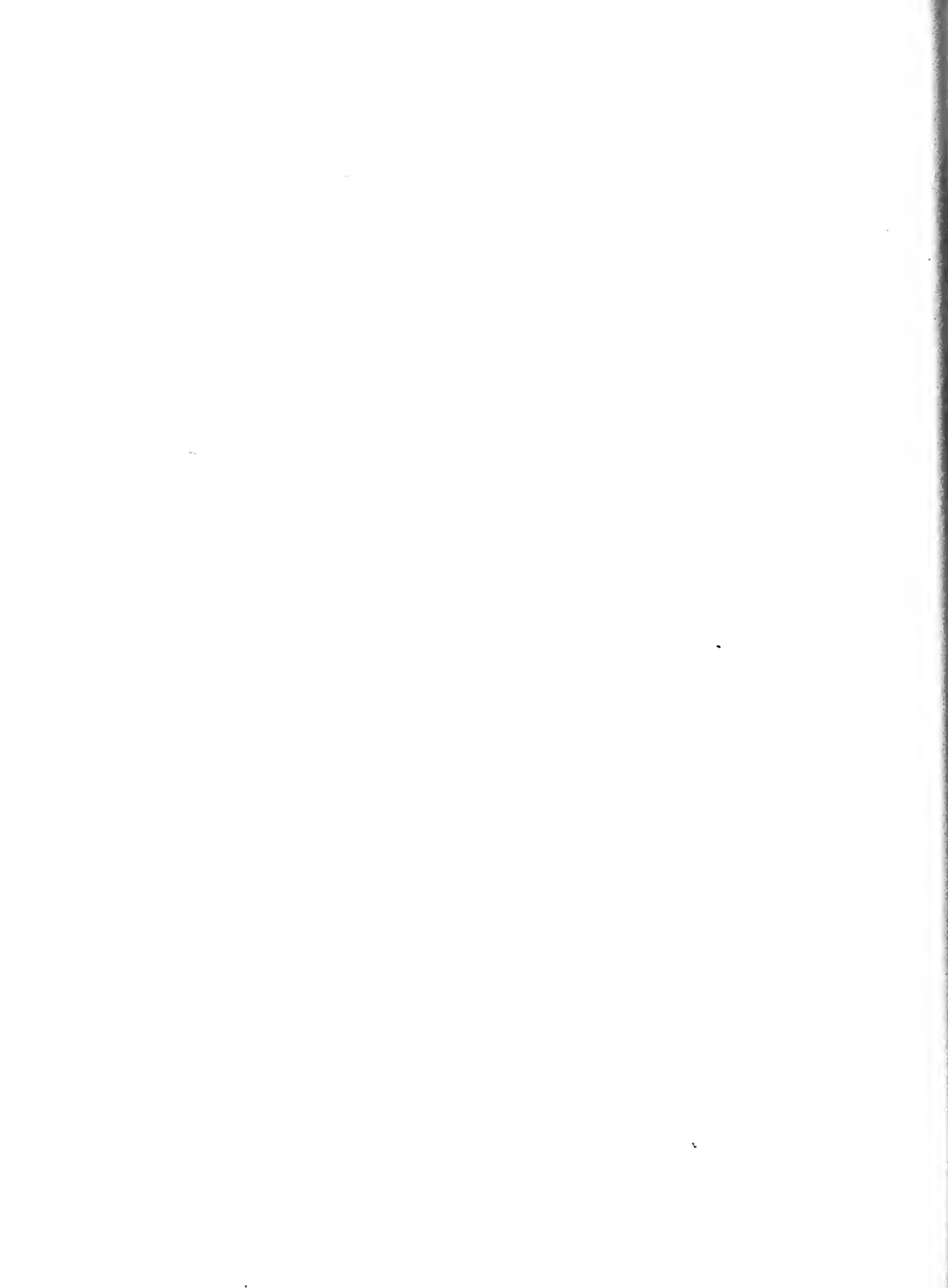
^{2/} Water-saver showerheads installed at beginning of 1973 season.

^{3/} Meters became inoperative in mid-season due to clogging.

^{4/} Data not available.

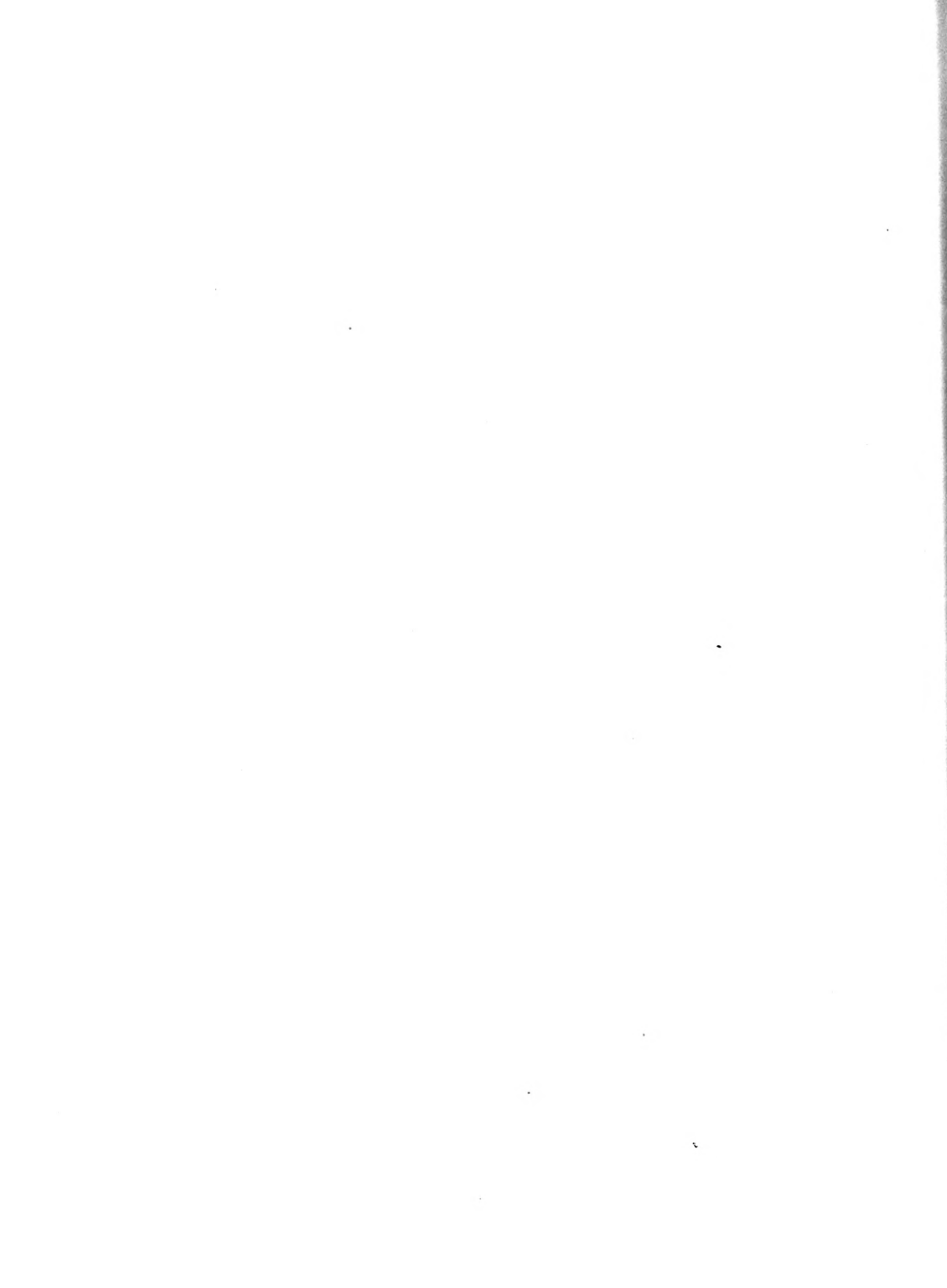
NOTE: 5-year average all parks = 28.7 GPCD.

APPENDIXES
A - D



APPENDIX A REFERENCES

1. Effect of Conservation on Southern District Urban Water Demand for 1980, 1990, and 2,000. California Department of Water Resources. December 1977.
2. Standard Industrial Classification Manual. Published by the Executive Office of the President, Office of Management and Budget, Statistical Policy Division.
3. Bulletin 124-3, Water Use by Manufacturing Industries in California, 1979. California Department of Water Resources. May 1982.
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13. Bulletin 160-83, The California Water Plan--Projections of Water Use and Water Supplies. California Department of Water Resources. (To be published later in 1983).



APPENDIX B

GLOSSARY OF TERMS

Classes of Water Use: The four generally recognized types of urban water use, which include residential, commercial, industrial, and governmental applications.

Residential and industrial uses are defined in this glossary. Commercial use is defined on page 12. Governmental use, a broad term, encompasses water deliveries to all public facilities, such as military post, schools, civic building, public recreational sites, etc.

Cooling Water: In this application, water is separated from the material being cooled by heat-exchanger surfaces. The most common noncontact cooling uses are equipment cooling, process temperature control, steam electric-power condensing, and air conditioning.

Ground Water Extraction: Water pumped from ground water sources.

Industrial: In this bulletin; industrial refers to manufacturing plants as defined in the Standard Industrial Classification Manual. Industrial water use means intake water use applied for all manufacturing and other plant uses.

Once-Through: Delivered water (usually associated with industrial use) that is discharged from a facility immediately after a one-time use without benefit of reclamation or recycling.

Per-Capita Water Use: Derived by dividing total water produced and introduced into the delivery system of a water supplier, by the total resident population living within the water service area -- In this report the term "gross applied per-capita water use" includes all system losses, customer deliveries, and return flows. It does not include changes in reservoir storage or instream fish and recreational uses.

Process Water (manufacturing use): A wide variety of applications where water comes into contact with process materials or waste products, or is incorporated into the product. Common process applications are inclusion in food and beverages, slurring, paper forming, fume scrubbing, spray cooling, and barometric condensing; also included in this category is boiler-feed water used to generate steam for processing or steam-electric power generation.

Reclaimed Water: Water recovered directly from wastes by treatment in a treatment plant (and most often used at another location). Water that, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur.

Residential: One of the four major components of urban water use, used interchangeably with the term "domestic."

Urban Water Use: The use of water for urban purposes, including, but not limited to, residential, commercial, industrial, and governmental classes. The term is applied in the sense that it is a type of use rather than a place of use; i.e., although most urban use occurs within a city or town, it also occurs outside of recognized city boundaries.

Water Quality (quality of the water, or quality of the waters): Refers to chemical, physical, biological, bacteriological, radiological, and other properties and characteristics of water affecting its use.

Water Quality Control: Means the regulation of any activity or factor that may affect the quality of the waters of the State and includes the prevention and correction of water pollution and nuisance.

Water Supplier (water agency or water purveyor): An entity (public agency or private party) that develops or purchases a supply of water for distribution and delivery to the various classes of customers within its service area and occasionally to other water suppliers for their customers.

Several types of water suppliers are authorized to deliver water to the public. Commercial water suppliers are monitored by the State Public Utilities Commission, while municipal water departments and water districts are accountable to the State Controller. Mutual water suppliers are responsible only to their association of owners.

(Water) Withdrawals: A quantity of water produced or developed from surface and ground water sources. In this report, water withdrawn for delivery to urban customers.

Weighting: To give weight to; a statistical procedure by which the true importance of each item constituting or forming an average for a group of numbers is accurately reflected.

APPENDIX C

STANDARD INDUSTRIAL CLASSIFICATION OF ESTABLISHMENTS

The Standard Industrial Classification (SIC) is a classification system that arranges all establishments and businesses of the total economy by the type of activity in which they are engaged. It divides all activities into broad industrial division, subdivides each division into two-digit major groups, breaks the major groups into three-digit industry subgroups, and further divides the latter into four-digit detailed industries.

The Standard Industrial Classification is intended to cover the entire field of economic activities: agriculture, forestry, fishing, hunting, and trapping; mining; construction; manufacturing; transportation, communication, electric gas, and sanitary business, repair, and other services; and public administration.

For purposes of this classification, an establishment is defined as an economic unit, generally at a single physical location where business is conducted or where services or industrial operations are performed. An establishment is not necessarily identified with the enterprise or company, which may consist of one or more establishments.

The structure of the classification makes it possible to tabulate, analyze, and publish establishment data on a division, a two-digit, a three-digit, or a four-digit industry code basis, according to the level of industrial detail considered most appropriate. It is possible then, to use additional subdivisions within specific four-digit industries in adapting this classification for a particular need, while still retaining comparability within the system. Because of the inclusion of variable-rate water users, even at the 4-digit level, a subdivision of some industries at this level is almost a necessity. For example, different processes, or the extent of recirculation in the manufacture of automobile storage batteries may cause a twofold variance in makeup water requirements per unit of product among different plants manufacturing the identical product.

Thus, water planners may need to group industries according to their water requirements and potential impact on local water sources and suppliers. As more information is gained about identifiable differences in what now appear to be very similar industries, these differences will be reflected in the SIC numbering system for water planning.

Each establishment is assigned an industry code on the basis of its primary activity, which is determined by its principal product or group of products produced or distributed, or services rendered. The four-digit code assignment should be made directly on the basis of the primary products, services, or activities reported by each establishment as the four-digit level of detail.

No single method of classification can possibly encompass, in one structural system, so diverse a group of statistical objectives. The reason for having such a system, however, is that it provides a common statistical language -- a single set of definitions that can become generally understood through frequent usage and through agreement upon inclusions as well as exclusions. In

establishing the industries under the SIC, the following general principles, taken largely from previous censuses, serve as guides:

- (1) The classification should conform to the existing structure of American industry.
- (2) The units to be classified are establishments rather than legal entities or companies, and each establishment is to be classified according to its major activity.
- (3) In order to be recognized as a separate category, the group of establishments comprising the industry should be of significant size from the standpoint of number of persons employed, volume of business, and other economic factors.
- (4) The group of establishments should be homogeneous with respect to the type of activity in which they are engaged. Further, they should, in the aggregate, account for a significant portion of that activity.

Among the 11 divisions of industries shown in the SIC Manual, Division D, "Manufacturing," contains the largest number of high water-using industries. As described by the SIC Manual, Manufacturing includes ". . . establishments engaged in the mechanical or chemical transformation of materials or substances into new products. These establishments are usually described as plants, factories, or mills and characteristically use power-driven machines and materials handling equipment. Establishments engaged in assembling . . . manufactured products are also considered manufacturing if the new product is neither a structure nor other fixed improvement. Also included is the building of such materials as lubricating oils, plastics, resins, or liquors"

The major manufacturing groups are shown on the opposite page.

MANUFACTURING CLASSIFICATIONS

<u>Major Group Number</u>	<u>Classification</u>
20	Food and kindred products
21	Tobacco manufacturers
22	Textile mill products
23	Apparel and other finished products made from fabrics and similar materials
24	Lumber and wood products, except furniture
25	Furniture and fixtures
26	Paper and allied products
27	Printing, publishing, and allied industries
28	Chemicals and allied products
29	Petroleum refining and related industries
30	Rubber and miscellaneous plastic products
31	Leather and leather products
32	Stone, clay, glass, and concrete products
33	Primary metal industries
34	Fabricated metal products, ordnance, machinery, and transportation equipment
35	Machinery, except electrical
36	Electrical machinery, equipment, and supplies
37	Transportation equipment
38	Professional, scientific, and controlling instruments; photographic and optical goods; watches and clocks
39	Miscellaneous manufacturing industries

(As listed under "Division D, Manufacturing", in the Standard Industrial Classification Manual (1972), Executive Office of the President, Bureau of the Budget, Office of Statistical Standards.)

APPENDIX D
DEPARTMENT OF WATER RESOURCES
DISTRICT OFFICES

Inquiries concerning the data provided in this bulletin may be directed to any of the four district offices listed here:

SACRAMENTO

Department of Water Resources
Central District Office
P. O. Box 160088
Sacramento, CA 95816

Telephone:

ATSS - 485-6831
PUBLIC - (916) 445-6831

RED BLUFF

Department of Water Resources
Northern District Office
P. O. Box 607
Red Bluff, CA 96080

Telephone:

ATSS - 446-2011
PUBLIC - (916) 527-6530

FRESNO

Department of Water Resources
San Joaquin District Office
P. O. Box 5710
Fresno, CA 93755

Telephone:

ATSS - 421-5443
PUBLIC - (209) 445-5443

LOS ANGELES

Department of Water Resources
Southern District Office
P. O. Box 6598
Los Angeles, CA 90055

Telephone:

ATSS - 640-4107
PUBLIC - (213) 620-4107

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CONVERSION FACTORS

Quantity	To Convert from Metric Unit	To Customary Unit	Multiply Metric Unit By	To Convert to Metric Unit Multiply Customary Unit By
Length	millimetres (mm)	inches (in)	0.03937	25.4
	centimetres (cm) for snow depth	inches (in)	0.3937	2.54
	metres (m)	feet (ft)	3.2808	0.3048
	kilometres (km)	miles (mi)	0.62139	1.6093
Area	square millimetres (mm ²)	square inches (in ²)	0.00155	645.16
	square metres (m ²)	square feet (ft ²)	10.764	0.092903
	hectares (ha)	acres (ac)	2.4710	0.40469
	square kilometres (km ²)	square miles (mi ²)	0.3861	2.590
Volume	litres (L)	gallons (gal)	0.26417	3.7854
	megalitres	million gallons (10 ⁶ gal)	0.26417	3.7854
	cubic metres (m ³)	cubic feet (ft ³)	35.315	0.028317
	cubic metres (m ³)	cubic yards (yd ³)	1.308	0.76455
	cubic dekametres (dam ³)	acre-feet (ac-ft)	0.8107	1.2335
Flow	cubic metres per second (m ³ /s)	cubic feet per second (ft ³ /s)	35.315	0.028317
	litres per minute (L/min)	gallons per minute (gal/min)	0.26417	3.7854
	litres per day (L/day)	gallons per day (gal/day)	0.26417	3.7854
	megalitres per day (ML/day)	million gallons per day (mgd)	0.26417	3.7854
	cubic dekametres per day (dam ³ /day)	acre-feet per day (ac-ft/day)	0.8107	1.2335
Mass	kilograms (kg)	pounds (lb)	2.2046	0.45359
	megagrams (Mg)	tons (short, 2,000 lb)	1.1023	0.90718
Velocity	metres per second (m/s)	feet per second (ft/s)	3.2808	0.3048
Power	kilowatts (kW)	horsepower (hp)	1.3405	0.746
Pressure	kilopascals (kPa)	pounds per square inch (psi)	0.14505	6.8948
	kilopascals (kPa)	feet head of water	0.33456	2.989
Specific Capacity	litres per minute per metre drawdown	gallons per minute per foot drawdown	0.08052	12.419
Concentration	milligrams per litre (mg/L)	parts per million (ppm)	1.0	1.0
Electrical Conductivity	microsiemens per centimetre (uS/cm)	micromhos per centimetre	1.0	1.0
Temperature	degrees Celsius (°C)	degrees Fahrenheit (°F)	$(1.8 \times ^\circ\text{C}) + 32$ $(^\circ\text{F} - 32)/1.8$	

State of California—Resources Agency
Department of Water Resources
P.O. Box 388
Sacramento
95802

APR 6 '84

